

Data File : VU031945.D  
Acq On : 12 May 2019 16:01  
Operator : JC/SP  
Sample : K2791-08  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9D30

Quant Time: May 13 07:04:28 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050819WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon May 13 07:00:03 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 475491   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 497606   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 178190   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 124270   | 3.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 76.80%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 125055   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 188480   | 2.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 54.00%# |
| 20) 2-Butanone-d5              | 4.20   | 46    | 526570   | 41.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 83.24%  |
| 24) Chloroform-d               | 4.64   | 84    | 283718   | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 159118   | 3.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.80%  |
| 32) Benzene-d6                 | 5.34   | 84    | 532450   | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 191198   | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 81.80%  |
| 41) Toluene-d8                 | 7.56   | 98    | 399114   | 3.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 73.20%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 55256    | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 67.40%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 354862   | 42.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 85.50%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 167552   | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 145070   | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.40%  |

#### Target Compounds

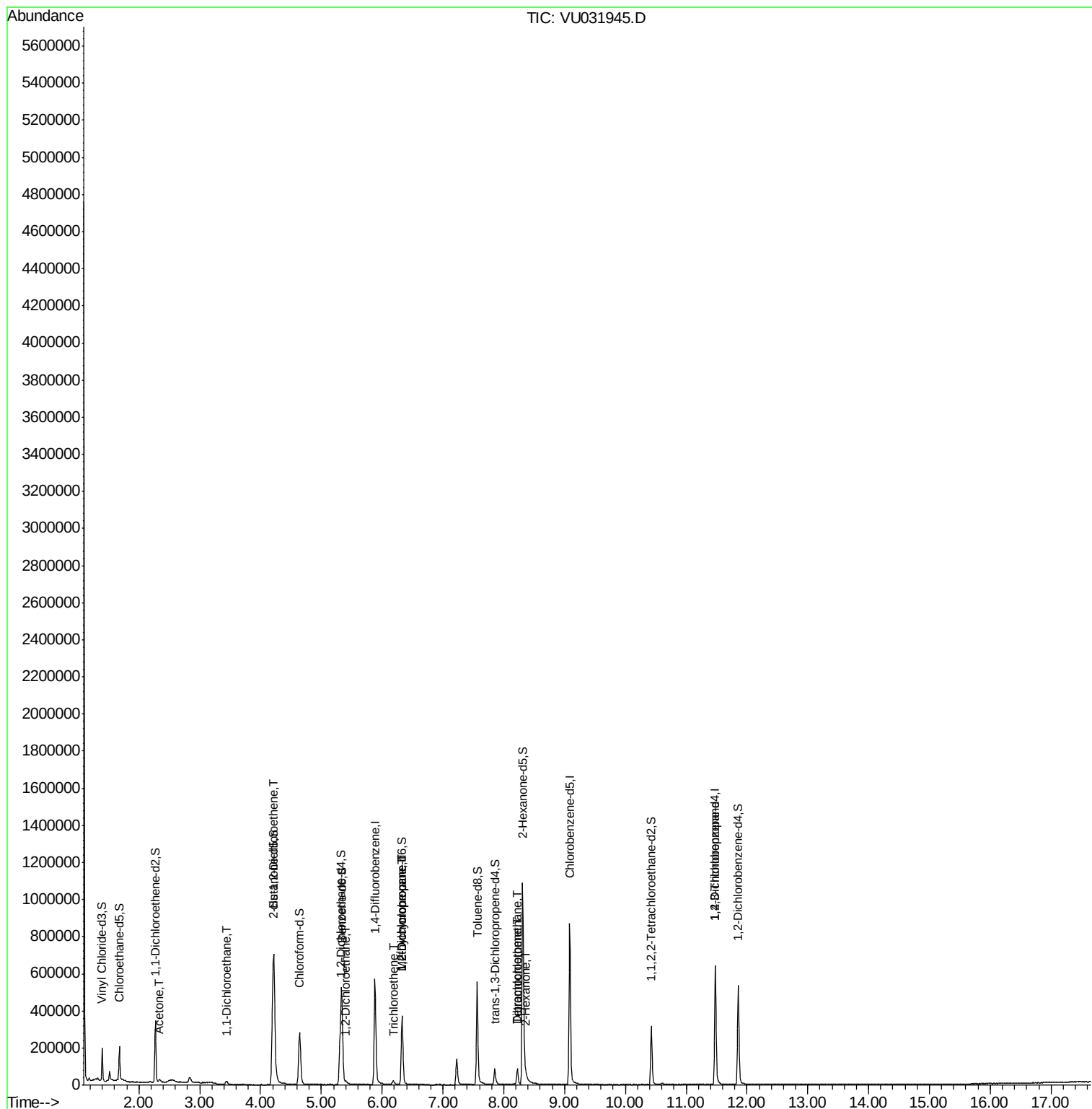
|                            |       |     |        |       | Qvalue    |
|----------------------------|-------|-----|--------|-------|-----------|
| 13) Acetone                | 2.34  | 43  | 10318  | 1.194 | ug/L 75   |
| 19) 1,1-Dichloroethane     | 3.44  | 63  | 19805  | 0.231 | ug/L 97   |
| 22) cis-1,2-Dichloroethene | 4.22  | 96  | 282361 | 6.748 | ug/L 82   |
| 27) 1,2-Dichloroethane     | 5.40  | 62  | 6978   | 0.125 | ug/L # 69 |
| 34) Trichloroethene        | 6.19  | 95  | 6360   | 0.145 | ug/L 93   |
| 35) Methylcyclohexane      | 6.33  | 83  | 43223  | 0.688 | ug/L # 11 |
| 37) 1,2-Dichloropropane    | 6.32  | 63  | 19265  | 0.388 | ug/L # 91 |
| 47) Tetrachloroethene      | 8.22  | 164 | 18877  | 0.664 | ug/L 93   |
| 48) 2-Hexanone             | 8.37  | 43  | 31419  | 1.323 | ug/L # 64 |
| 49) Dibromochloromethane   | 8.22  | 129 | 20467  | 0.598 | ug/L # 10 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75  | 22987  | 0.782 | ug/L 89   |

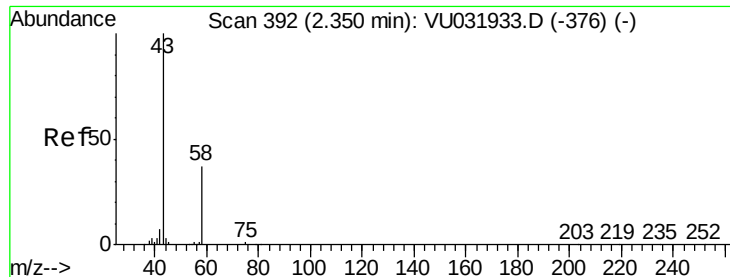
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.194 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU031945.D

Acq: 12 May 2019 16:01

Instrument :

MSVOA\_U

ClientSampled :

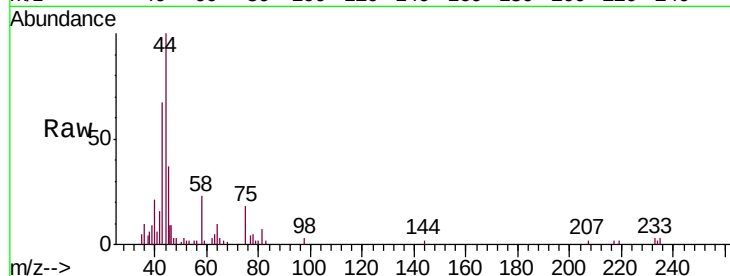
F9D30

Tgt Ion: 43 Resp: 10318

Ion Ratio Lower Upper

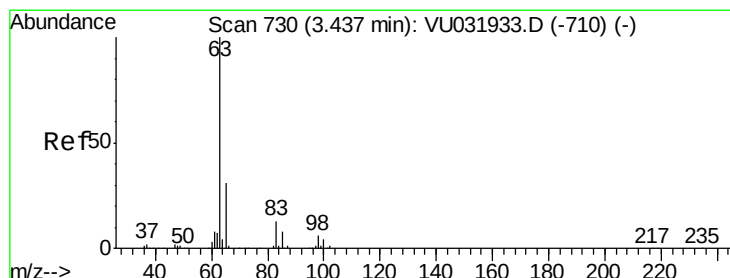
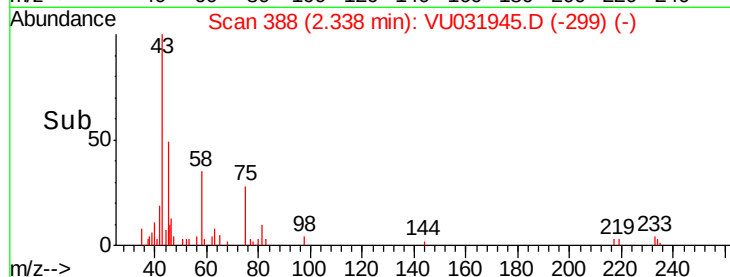
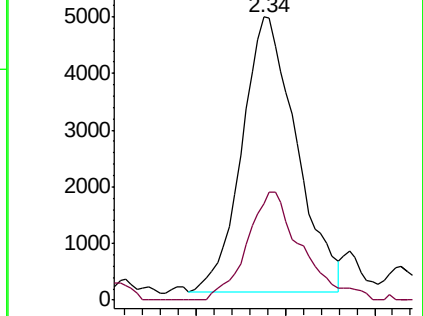
43 100

58 39.7 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU031933.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU031933.D (-376) (-)



#19

1,1-Dichloroethane

Concen: 0.231 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU031945.D

Acq: 12 May 2019 16:01

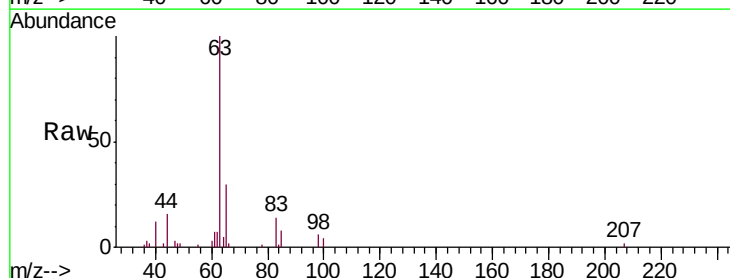
Tgt Ion: 63 Resp: 19805

Ion Ratio Lower Upper

63 100

65 30.3 21.8 40.4

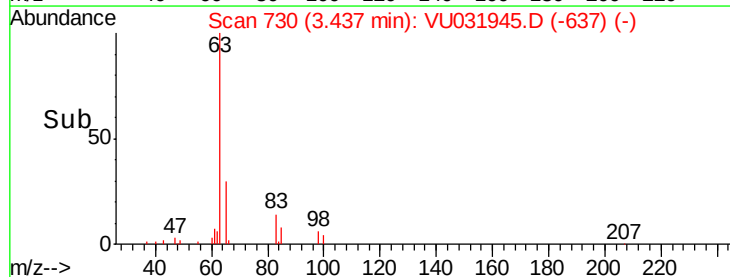
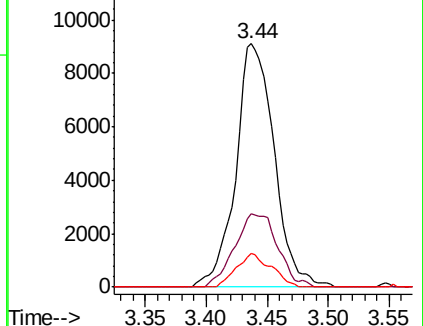
83 13.9 7.9 14.7

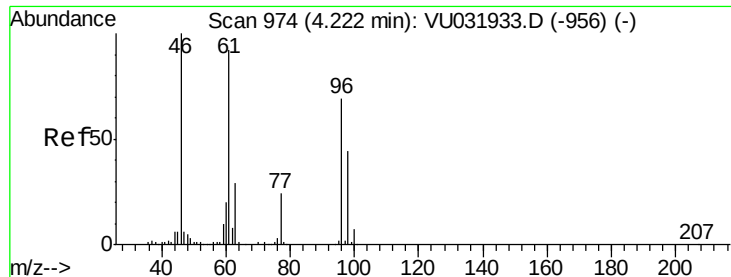


Abundance Ion 63.10 (62.80 to 63.80): VU031933.D (-710) (-)

Ion 65.10 (64.80 to 65.80): VU031933.D (-710) (-)

Ion 83.05 (82.75 to 83.75): VU031933.D (-710) (-)



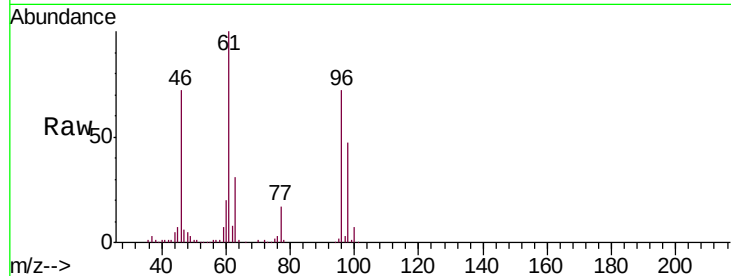


#22

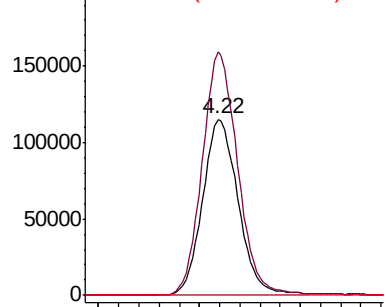
cis-1,2-Dichloroethene  
 Concen: 6.748 ug/L  
 RT: 4.22 min Scan# 973  
 Delta R.T. -0.00 min  
 Lab File: VU031945.D  
 Acq: 12 May 2019 16:01

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 F9D30

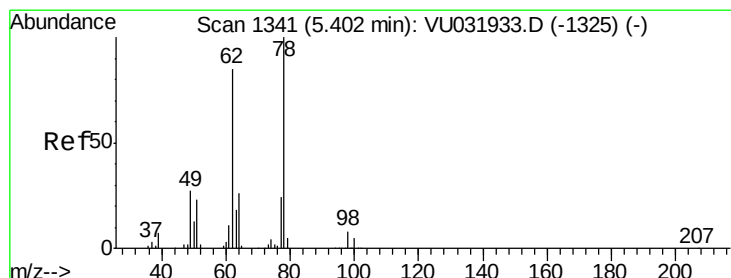
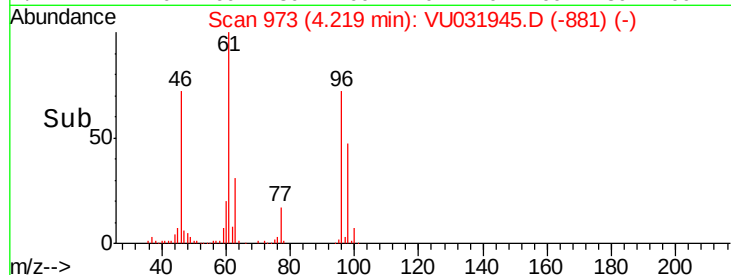
Tgt Ion: 96 Resp: 282361  
 Ion Ratio Lower Upper  
 96 100  
 61 138.4 113.3 210.5  
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.05 (60.75 to 61.75): VU0  
 Ion 68.15 (67.85 to 68.85): VU0



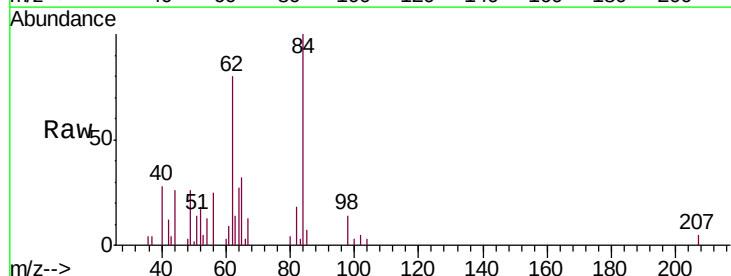
Time--> 4.10 4.20 4.30



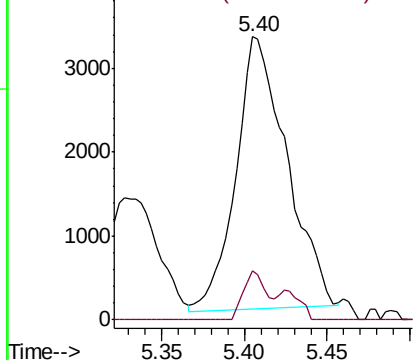
#27

1,2-Dichloroethane  
 Concen: 0.125 ug/L  
 RT: 5.40 min Scan# 1342  
 Delta R.T. 0.00 min  
 Lab File: VU031945.D  
 Acq: 12 May 2019 16:01

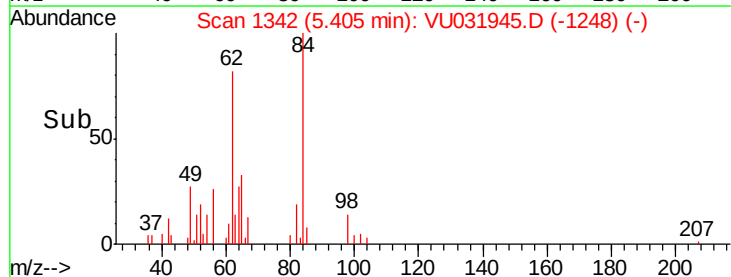
Tgt Ion: 62 Resp: 6978  
 Ion Ratio Lower Upper  
 62 100  
 98 17.4 5.4 8.2#

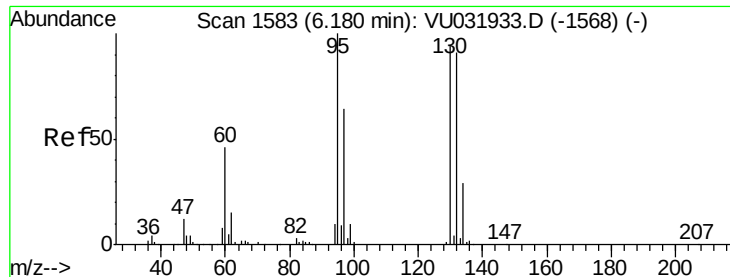


Abundance Ion 62.00 (61.70 to 62.70): VU0  
 Ion 98.05 (97.75 to 98.75): VU0



Time--> 5.35 5.40 5.45





#34

Trichloroethene

Concen: 0.145 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031945.D

Acq: 12 May 2019 16:01

Instrument :

MSVOA\_U

ClientSampleId :

F9D30

Tgt Ion: 95 Resp: 6360

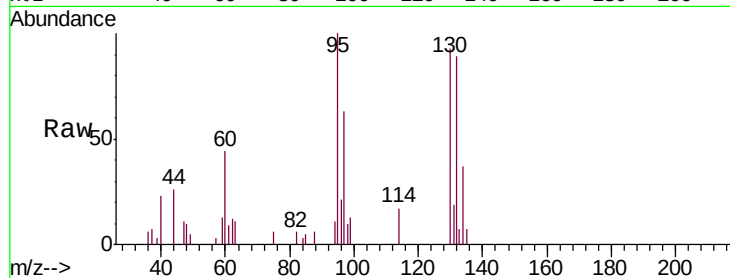
Ion Ratio Lower Upper

95 100

97 63.4 45.8 85.2

132 88.6 56.0 104.0

130 93.4 60.4 112.2

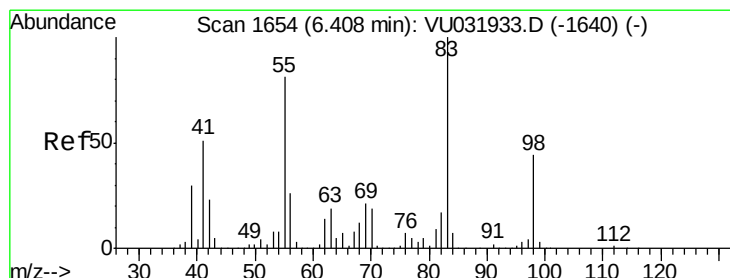
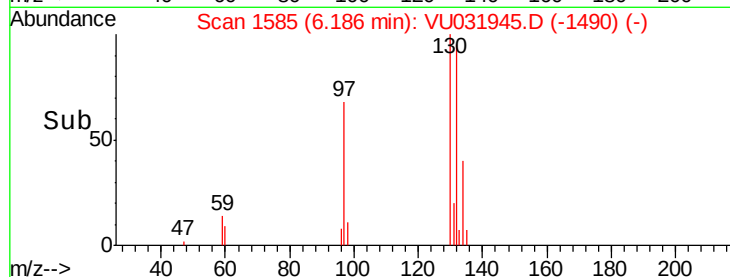
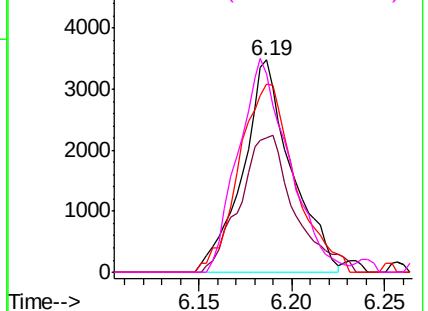


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.688 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU031945.D

Acq: 12 May 2019 16:01

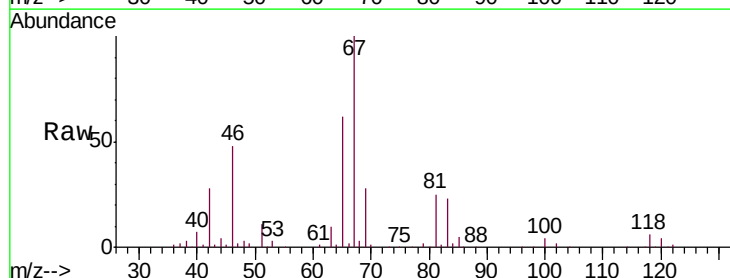
Tgt Ion: 83 Resp: 43223

Ion Ratio Lower Upper

83 100

55 0.7 79.2 118.8#

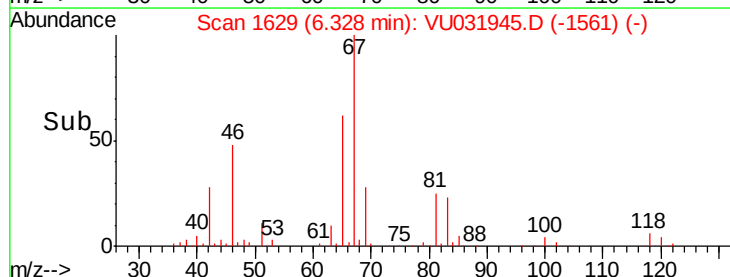
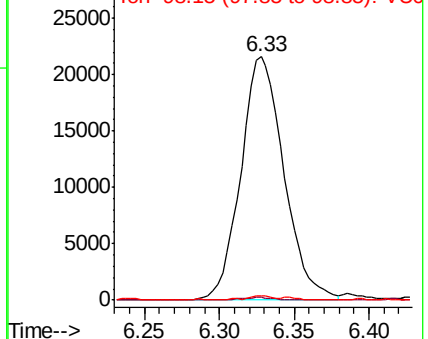
98 1.0 34.0 51.0#

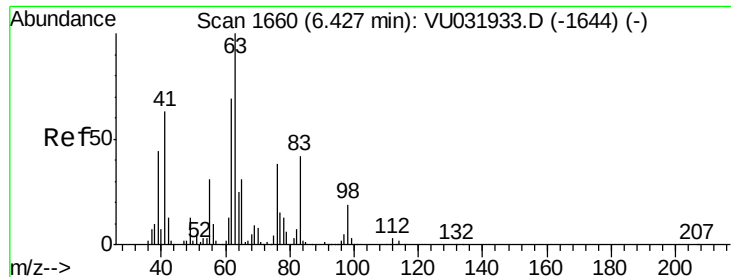


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

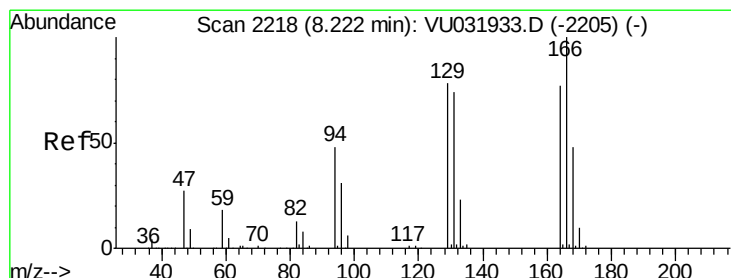
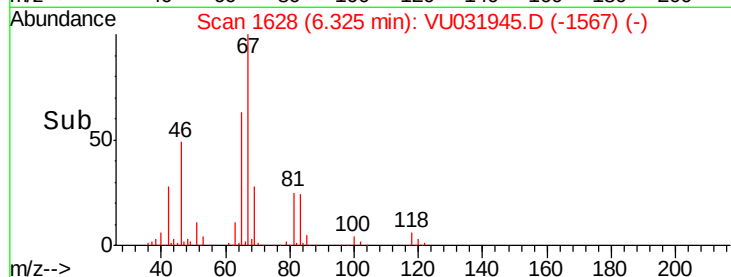
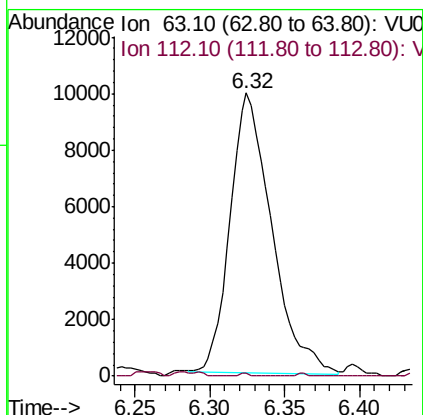
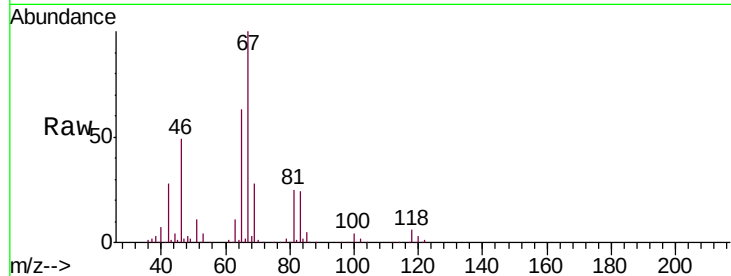




#37  
 1,2-Dichloropropane  
 Concen: 0.388 ug/L  
 RT: 6.32 min Scan# 1628  
 Delta R.T. -0.10 min  
 Lab File: VU031945.D  
 Acq: 12 May 2019 16:01

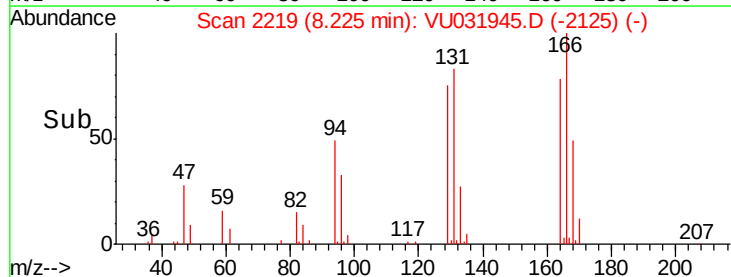
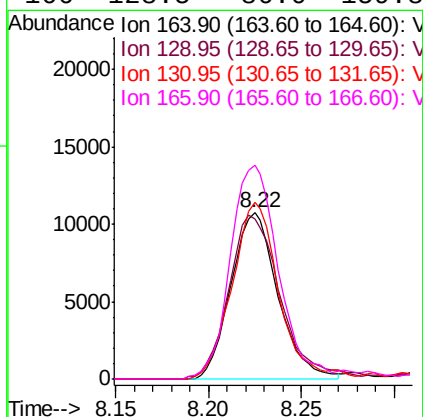
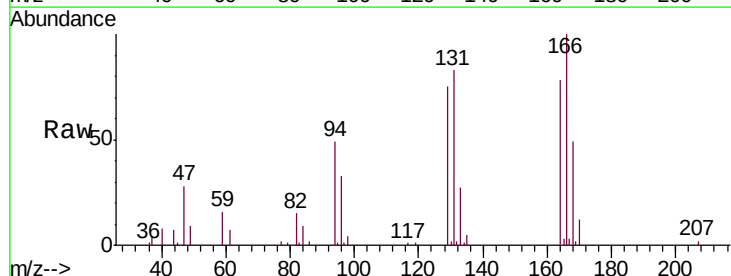
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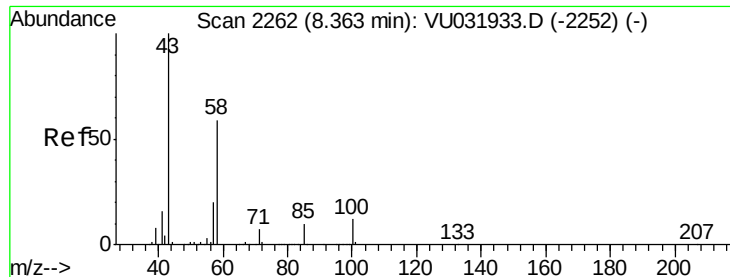
Tgt Ion: 63 Resp: 19265  
 Ion Ratio Lower Upper  
 63 100  
 112 0.2 2.5 3.7#



#47  
 Tetrachloroethene  
 Concen: 0.664 ug/L  
 RT: 8.22 min Scan# 2219  
 Delta R.T. 0.00 min  
 Lab File: VU031945.D  
 Acq: 12 May 2019 16:01

Tgt Ion: 164 Resp: 18877  
 Ion Ratio Lower Upper  
 164 100  
 129 96.4 70.3 130.5  
 131 106.3 65.4 121.4  
 166 128.5 86.0 159.8

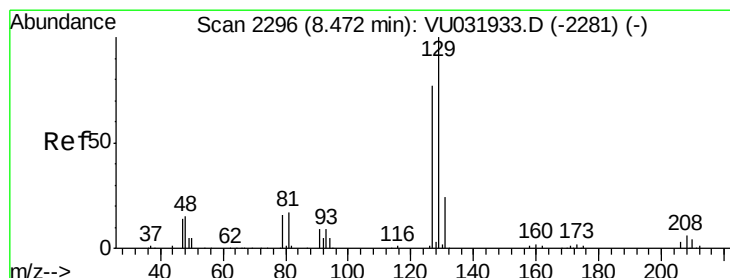
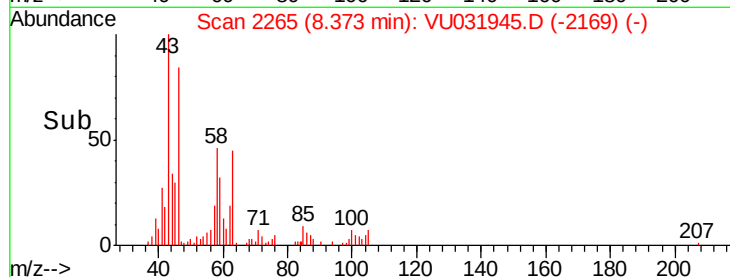
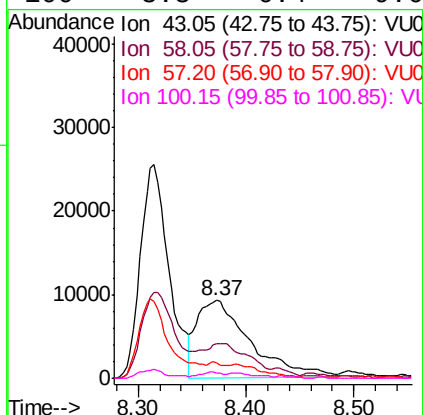
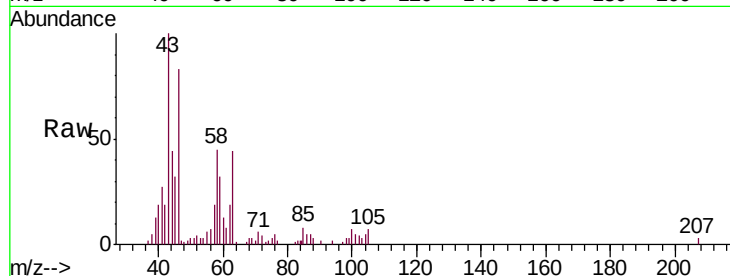




#48  
2-Hexanone  
Concen: 1.323 ug/L  
RT: 8.37 min Scan# 2265  
Delta R.T. 0.01 min  
Lab File: VU031945.D  
Acq: 12 May 2019 16:01

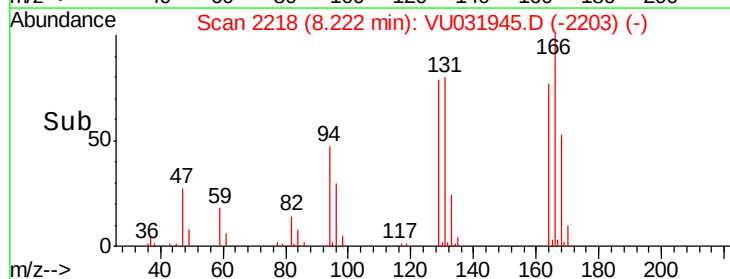
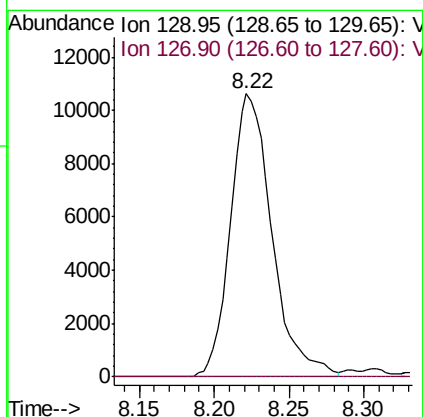
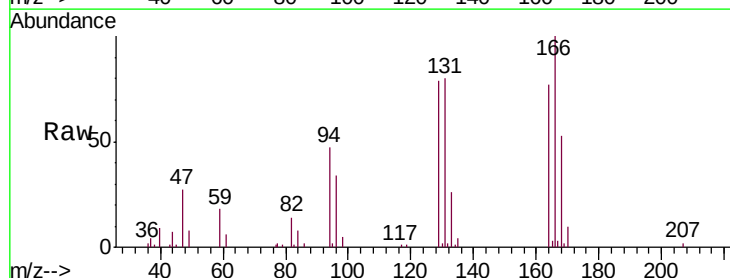
Instrument :  
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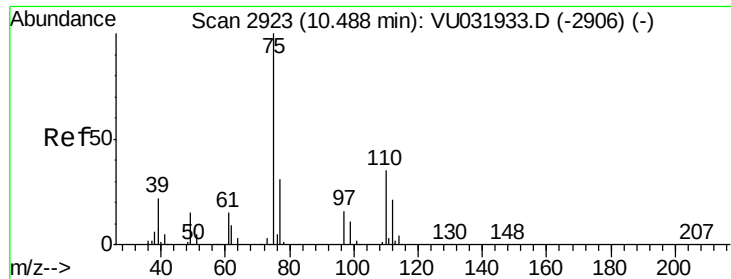
Tgt Ion: 43 Resp: 31419  
Ion Ratio Lower Upper  
43 100  
58 23.4 40.2 60.2#  
57 0.0 13.8 20.6#  
100 3.3 6.4 9.6#



#49  
Dibromochloromethane  
Concen: 0.598 ug/L  
RT: 8.22 min Scan# 2218  
Delta R.T. -0.25 min  
Lab File: VU031945.D  
Acq: 12 May 2019 16:01

Tgt Ion: 129 Resp: 20467  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.782 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031945.D

Acq: 12 May 2019 16:01

Instrument :

MSVOA\_U

ClientSampleId :

F9D30

Tgt Ion: 75 Resp: 22987

Ion Ratio Lower Upper

75 100

77 39.0 26.3 39.5

