

Data File : VU031678.D  
Acq On : 01 May 2019 12:47  
Operator : JC/SP  
Sample : K2593-12DL 2000X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X78DL

Quant Time: May 02 02:27:04 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu May 02 02:23:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 929081   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 908463   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 419873   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 254279   | 32.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 65.40%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 222399   | 37.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 74.02%  |
| 11) 1,1-Dichloroethene-d2      | 2.54    | 63    | 184      | 0.01     | ug/L | 0.27    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 0.02%#  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 683655   | 97.04    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.04%  |
| 24) Chloroform-d               | 4.64    | 84    | 535538   | 37.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 75.22%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 365976   | 39.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 78.68%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1104728  | 39.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 79.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 396521   | 40.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 80.80%  |
| 41) Toluene-d8                 | 7.56    | 98    | 969608   | 39.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 79.82%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 173221   | 41.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.24%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 455411   | 107.20   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 107.20% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 556577   | 42.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 84.52%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 370454   | 41.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.90%  |

#### Target Compounds

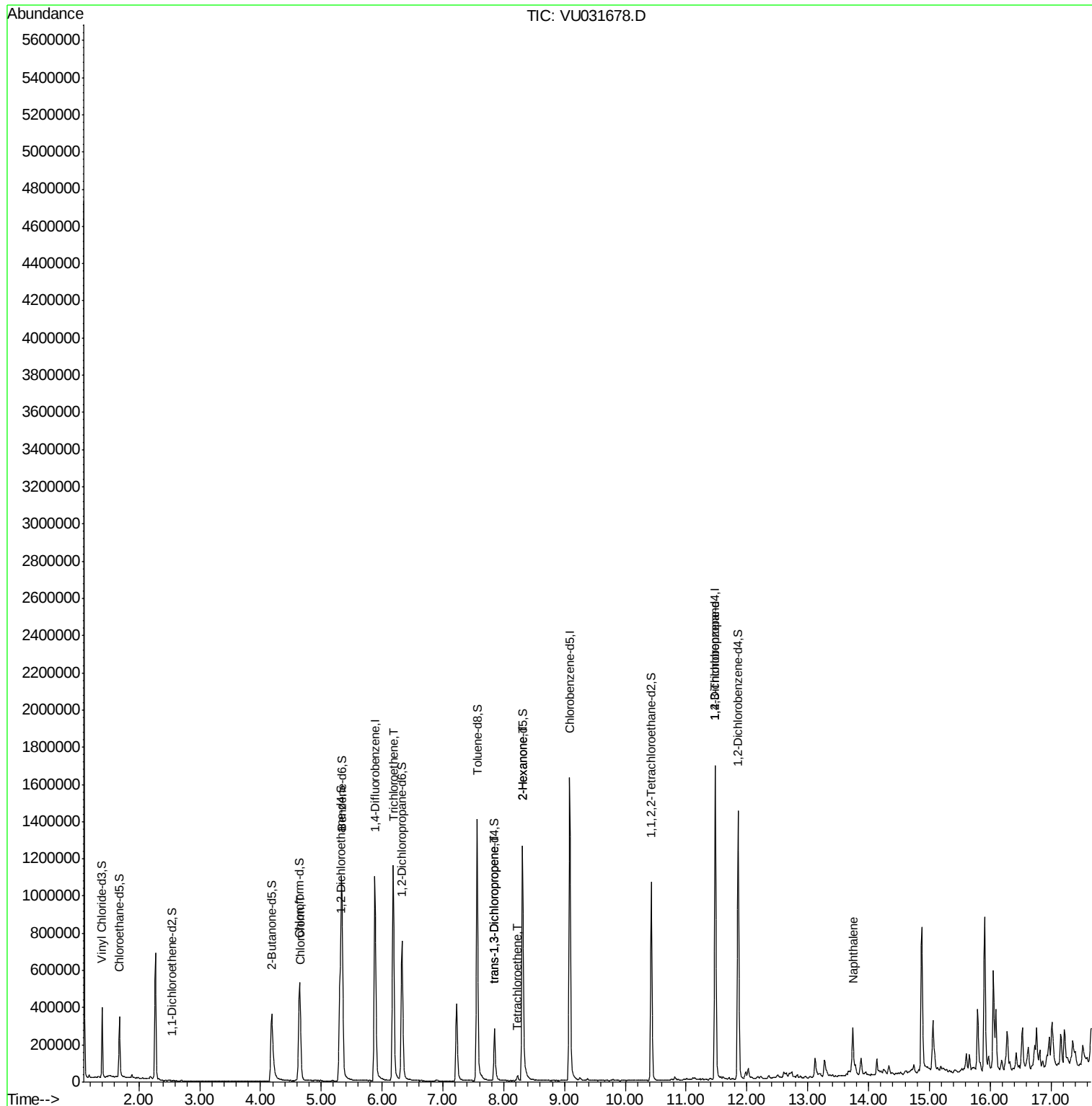
|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 25) Chloroform                | 4.67  | 83  | 9337   | 0.614  | ug/L   | 95     |
| 34) Trichloroethene           | 6.18  | 95  | 437687 | 54.059 | ug/L   | 97     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75  | 6680   | 0.588  | ug/L # | 69     |
| 46) Tetrachloroethene         | 8.23  | 164 | 5760   | 1.044  | ug/L   | 96     |
| 48) 2-Hexanone                | 8.31  | 43  | 56160  | 4.760  | ug/L # | 74     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75  | 55883  | 4.971  | ug/L   | 93     |
| 69) Naphthalene               | 13.74 | 128 | 209421 | 7.453  | ug/L   | 97     |

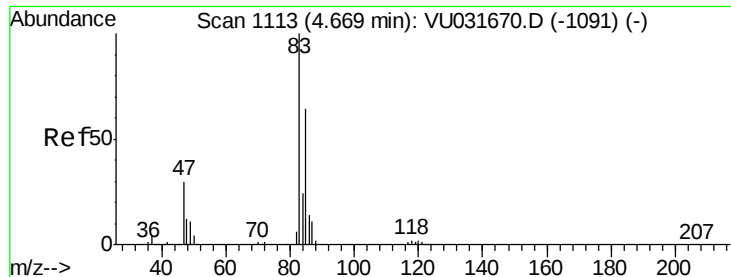
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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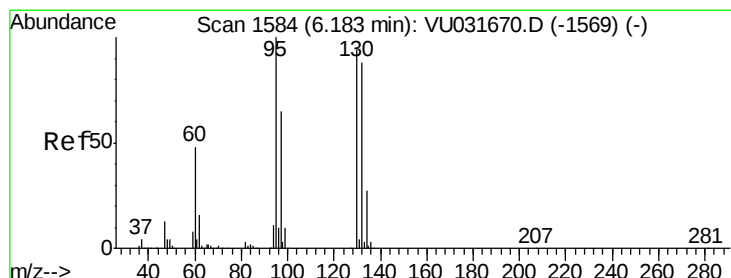
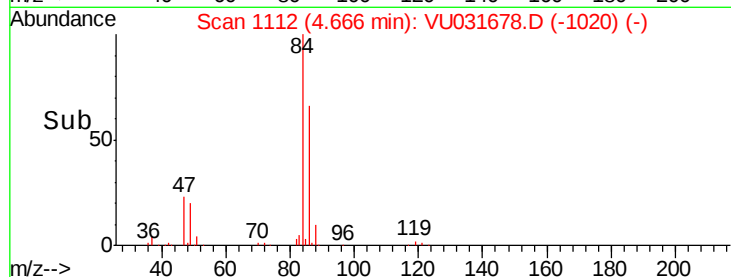
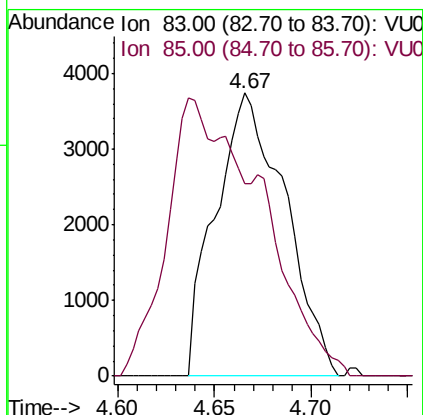
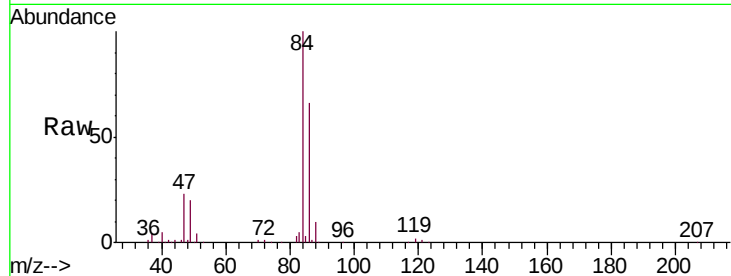




#25  
Chloroform  
Concen: 0.614 ug/L  
RT: 4.67 min Scan# 1112  
Delta R.T. -0.00 min  
Lab File: VU031678.D  
Acq: 01 May 2019 12:47

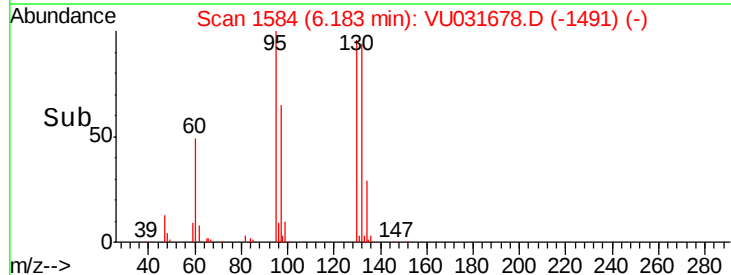
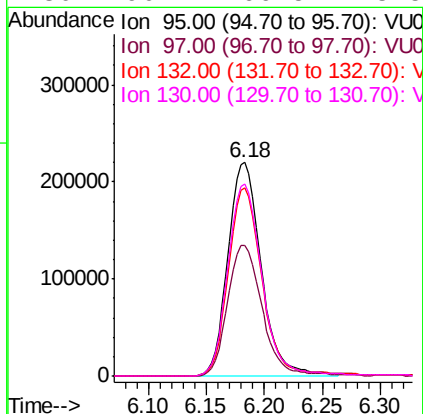
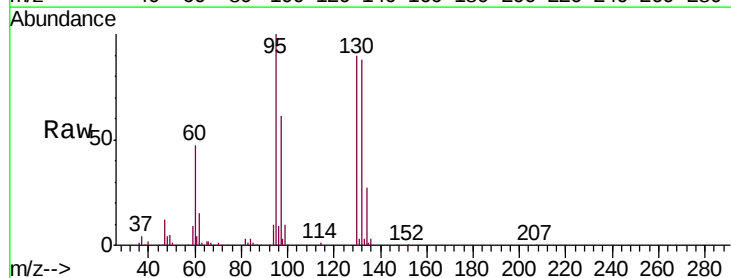
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X78DL

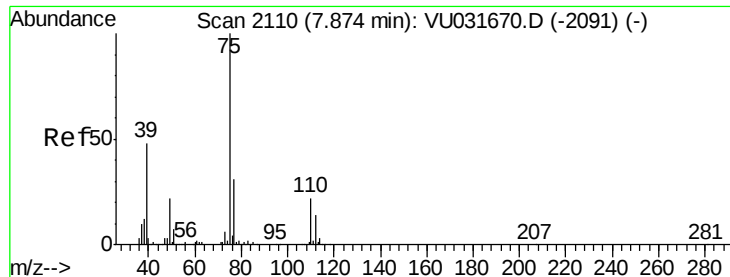
Tgt Ion: 83 Resp: 9337  
Ion Ratio Lower Upper  
83 100  
85 68.1 44.9 83.3



#34  
Trichloroethene  
Concen: 54.059 ug/L  
RT: 6.18 min Scan# 1584  
Delta R.T. 0.00 min  
Lab File: VU031678.D  
Acq: 01 May 2019 12:47

Tgt Ion: 95 Resp: 437687  
Ion Ratio Lower Upper  
95 100  
97 61.4 44.8 83.2  
132 88.3 63.1 117.1  
130 90.1 66.5 123.5





#44

trans-1,3-Dichloropropene

Concen: 0.588 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031678.D

Acq: 01 May 2019 12:47

Instrument :

MSVOA\_U

ClientSampleId :

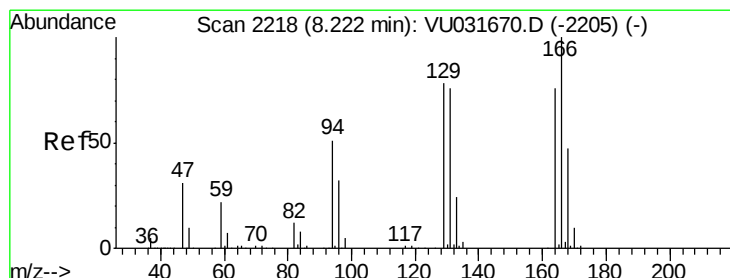
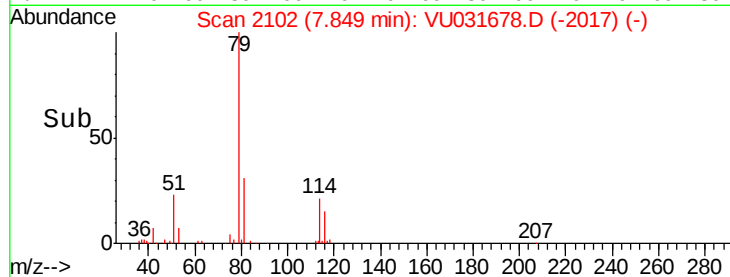
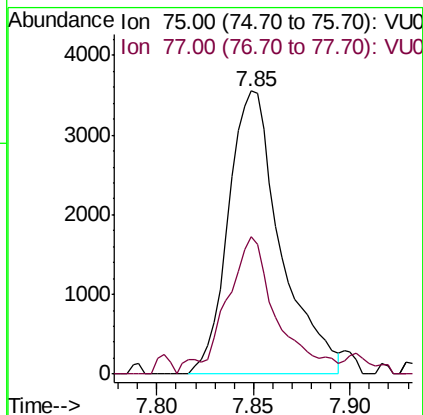
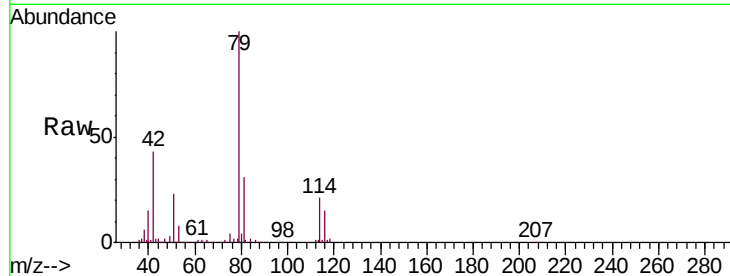
C0X78DL

Tgt Ion: 75 Resp: 6680

Ion Ratio Lower Upper

75 100

77 48.5 22.1 41.1#



#46

Tetrachloroethene

Concen: 1.044 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU031678.D

Acq: 01 May 2019 12:47

Tgt Ion: 164 Resp: 5760

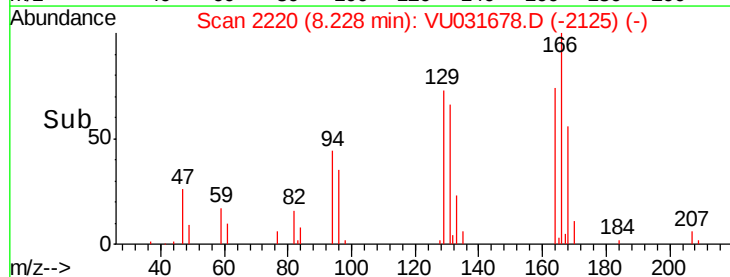
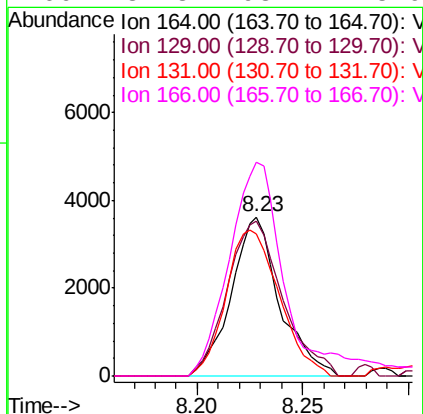
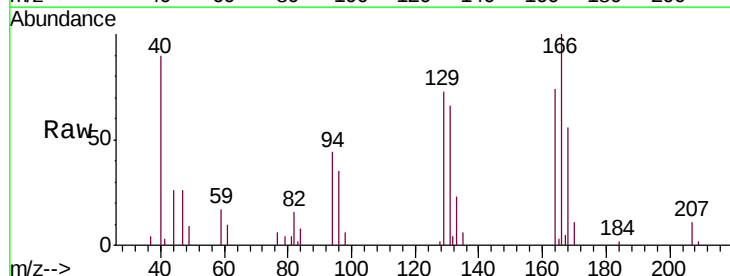
Ion Ratio Lower Upper

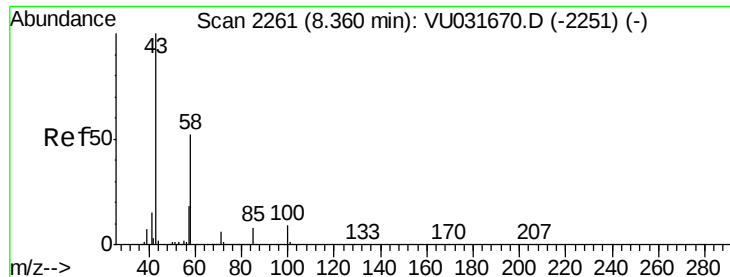
164 100

129 97.7 71.5 132.9

131 89.1 69.0 128.2

166 134.3 93.7 173.9

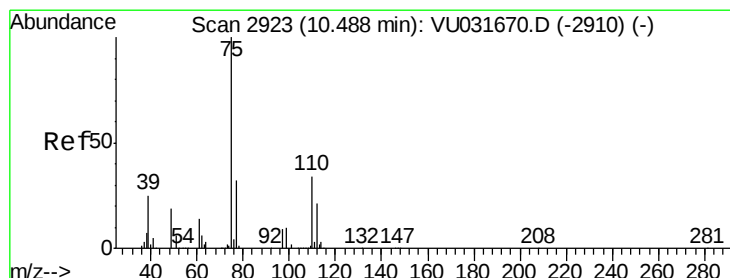
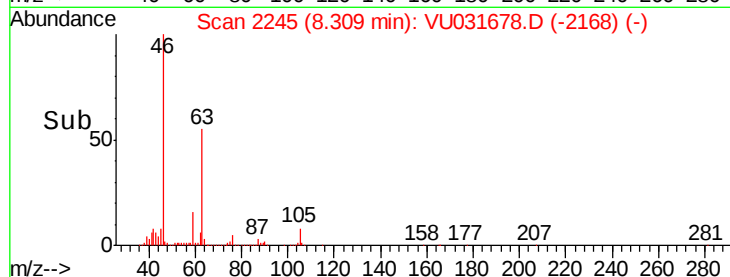
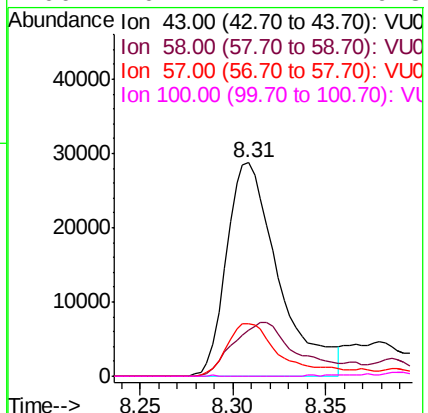
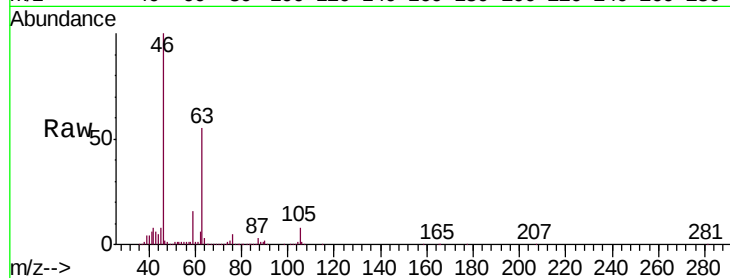




#48  
2-Hexanone  
Concen: 4.760 ug/L  
RT: 8.31 min Scan# 2245  
Delta R.T. -0.05 min  
Lab File: VU031678.D  
Acq: 01 May 2019 12:47

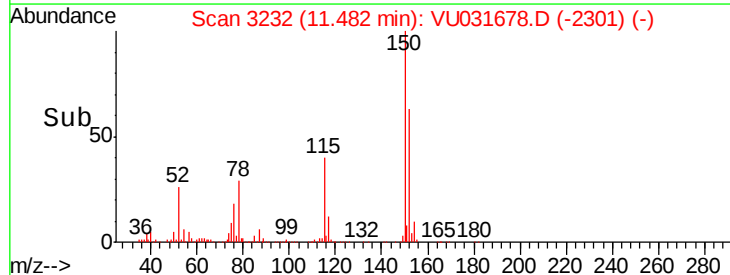
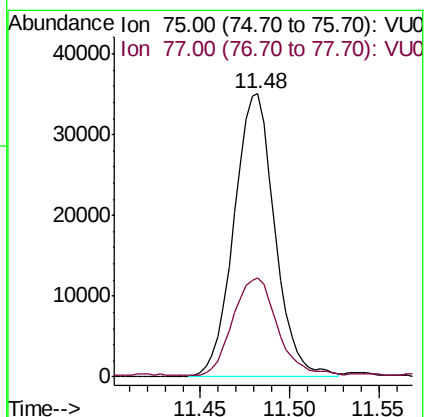
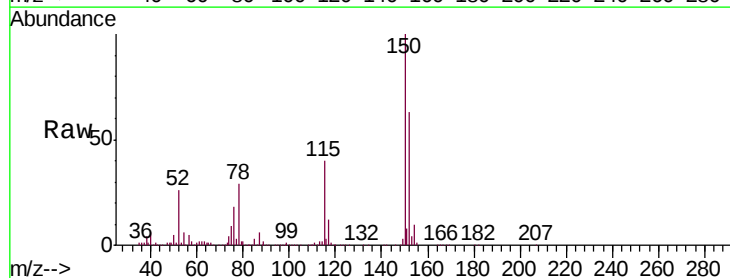
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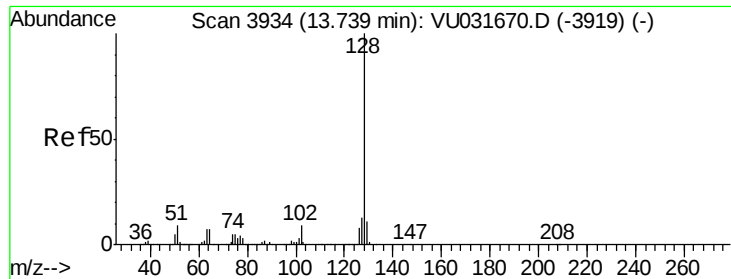
Tgt Ion: 43 Resp: 56160  
Ion Ratio Lower Upper  
43 100  
58 31.0 42.1 63.1#  
57 24.0 14.6 22.0#  
100 0.1 7.2 10.8#



#59  
1,2,3-Trichloropropane  
Concen: 4.971 ug/L  
RT: 11.48 min Scan# 3232  
Delta R.T. 0.99 min  
Lab File: VU031678.D  
Acq: 01 May 2019 12:47

Tgt Ion: 75 Resp: 55883  
Ion Ratio Lower Upper  
75 100  
77 36.3 25.9 38.9





#69

Naphthalene

Concen: 7.453 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU031678.D

Acq: 01 May 2019 12:47

Instrument :

MSVOA\_U

ClientSampleId :

C0X78DL

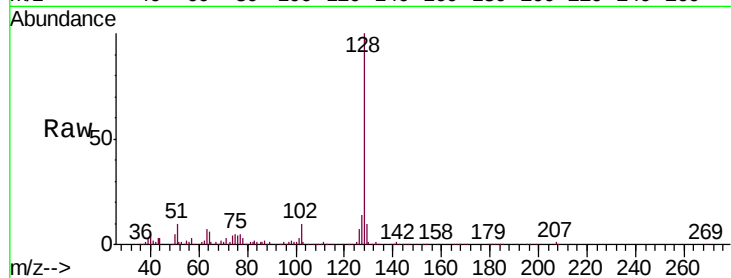
Tgt Ion:128 Resp: 209421

Ion Ratio Lower Upper

128 100

127 14.5 10.6 15.8

129 9.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

