

Data File : VU026536.D  
Acq On : 05 Sep 2018 11:26  
Operator : MD/SY  
Sample : J4694-07DL 500X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BEE25DL

Quant Time: Sep 06 04:38:49 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 06 04:37:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 163972   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 156126   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 64691    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 45070    | 44.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 88.72%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 42344    | 46.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.30%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 67964    | 29.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.42%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 73713    | 93.48    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.48%  |
| 24) Chloroform-d               | 4.65    | 84    | 80402    | 41.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 57159    | 44.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.48%  |
| 32) Benzene-d6                 | 5.34    | 84    | 168094   | 46.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.42%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 58017    | 46.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.86%  |
| 41) Toluene-d8                 | 7.57    | 98    | 147787   | 42.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.08%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 24569    | 43.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.04%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 53305    | 94.02    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.02%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 80011    | 43.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 87.86%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 59229    | 50.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.92% |

#### Target Compounds

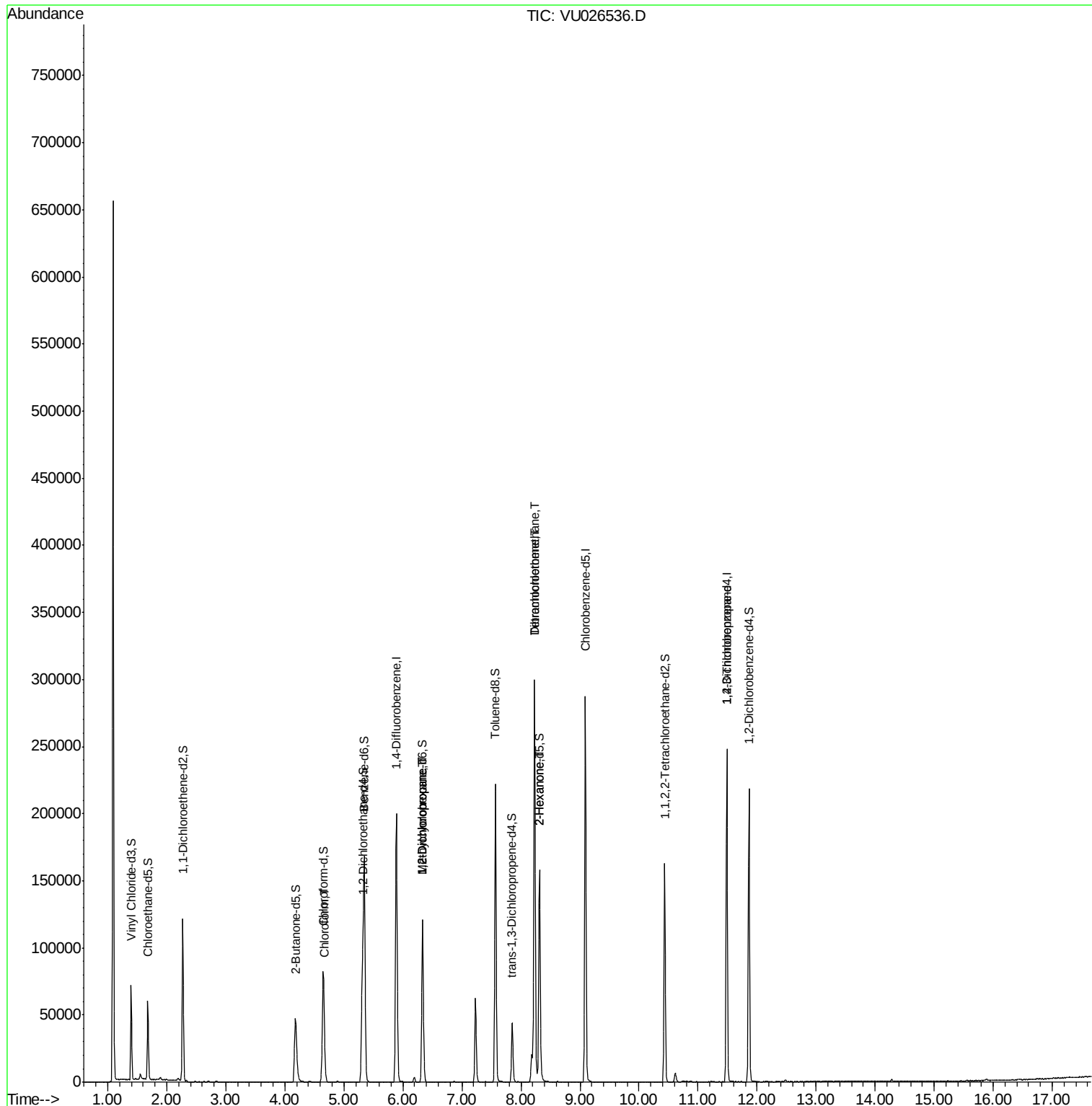
|                            |       |     |       |               | Qvalue |
|----------------------------|-------|-----|-------|---------------|--------|
| 25) Chloroform             | 4.67  | 83  | 5925  | 2.789 ug/L    | 98     |
| 35) Methylcyclohexane      | 6.33  | 83  | 13013 | 7.423 ug/L #  | 18     |
| 37) 1,2-Dichloropropane    | 6.33  | 63  | 6005  | 4.846 ug/L #  | 88     |
| 46) Tetrachloroethene      | 8.23  | 164 | 66000 | 71.903 ug/L   | 98     |
| 48) 2-Hexanone             | 8.31  | 43  | 6124  | 4.653 ug/L #  | 69     |
| 49) Dibromochloromethane   | 8.23  | 129 | 61350 | 47.965 ug/L # | 10     |
| 59) 1,2,3-Trichloropropane | 11.48 | 75  | 7507  | 4.855 ug/L    | 91     |

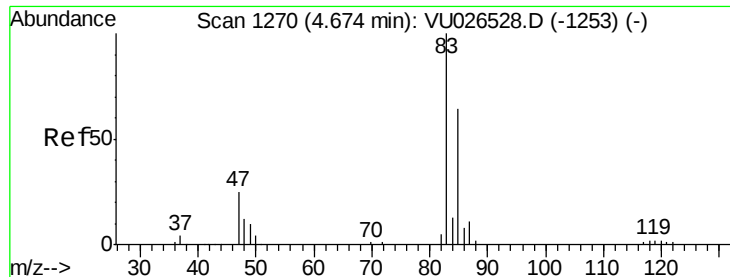
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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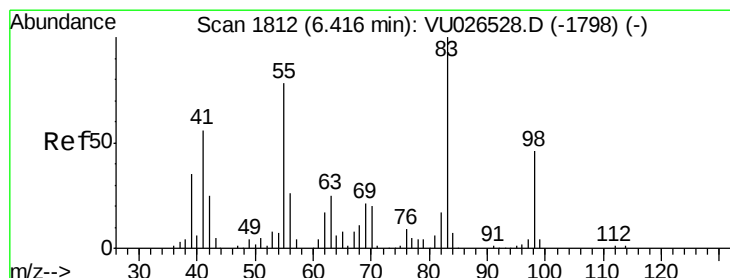
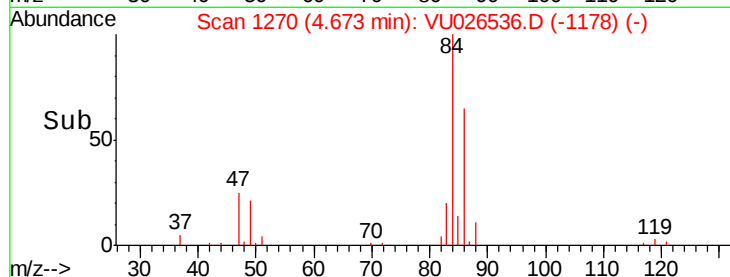
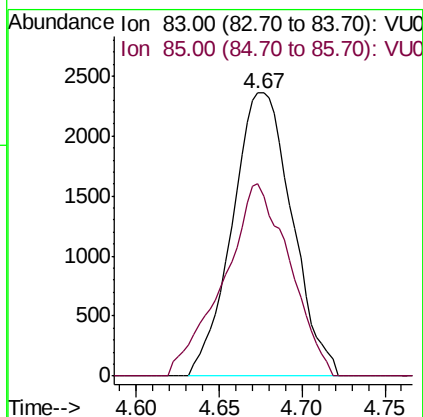
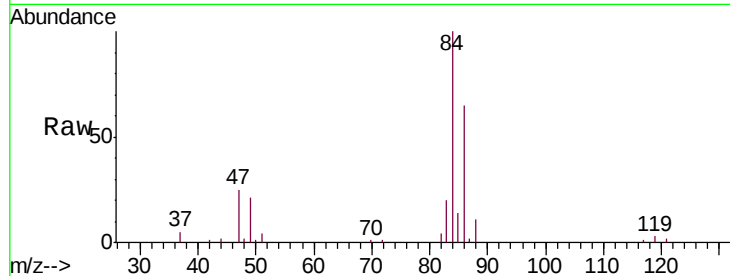




#25  
Chloroform  
Concen: 2.789 ug/L  
RT: 4.67 min Scan# 1270  
Delta R.T. -0.00 min  
Lab File: VU026536.D  
Acq: 05 Sep 2018 11:26

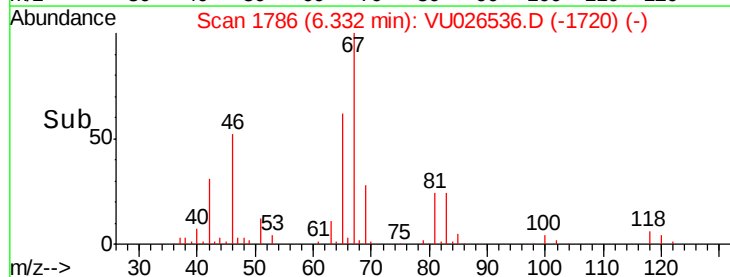
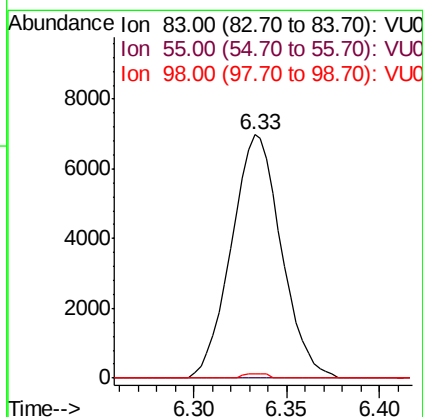
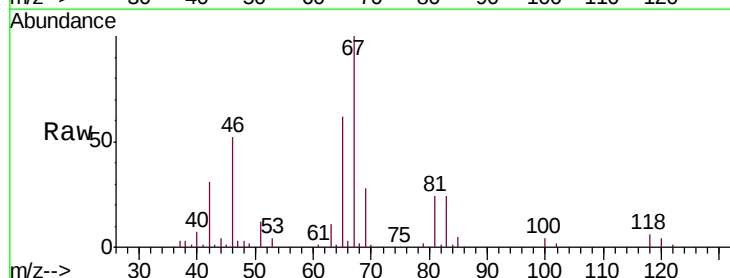
Instrument :  
MSVOA\_U  
ClientSampled :  
BEE25DL

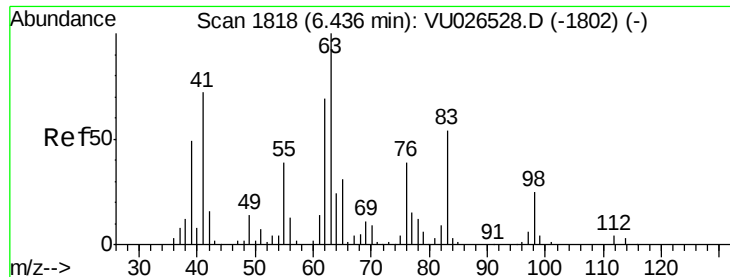
Tgt Ion: 83 Resp: 5925  
Ion Ratio Lower Upper  
83 100  
85 67.9 46.5 86.5



#35  
Methylcyclohexane  
Concen: 7.423 ug/L  
RT: 6.33 min Scan# 1786  
Delta R.T. -0.09 min  
Lab File: VU026536.D  
Acq: 05 Sep 2018 11:26

Tgt Ion: 83 Resp: 13013  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.3 94.9#  
98 0.5 36.7 55.1#

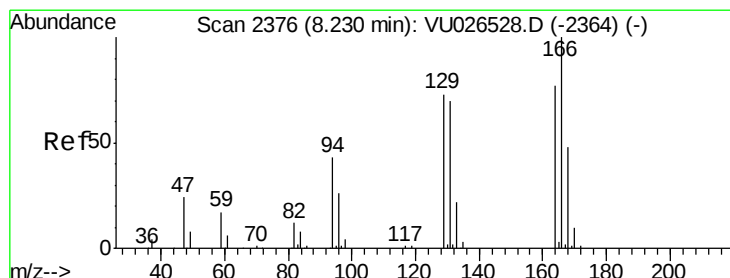
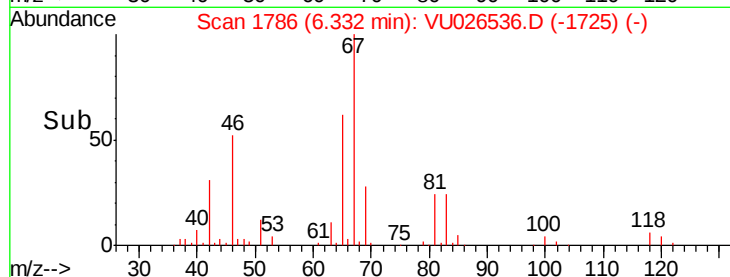
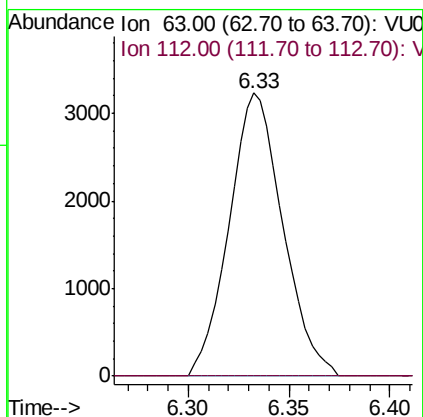
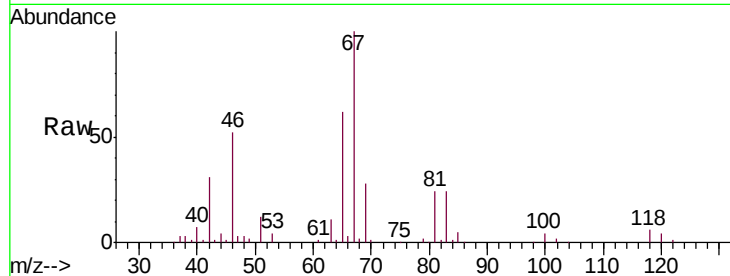




#37  
 1,2-Dichloropropane  
 Concen: 4.846 ug/L  
 RT: 6.33 min Scan# 1786  
 Delta R.T. -0.10 min  
 Lab File: VU026536.D  
 Acq: 05 Sep 2018 11:26

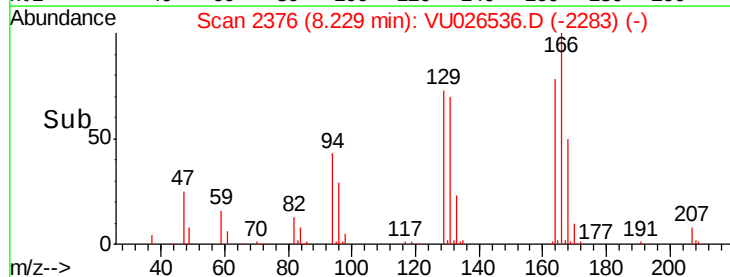
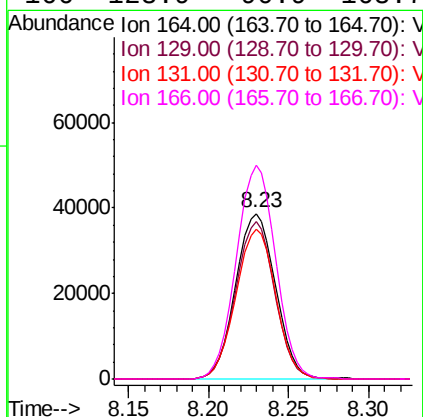
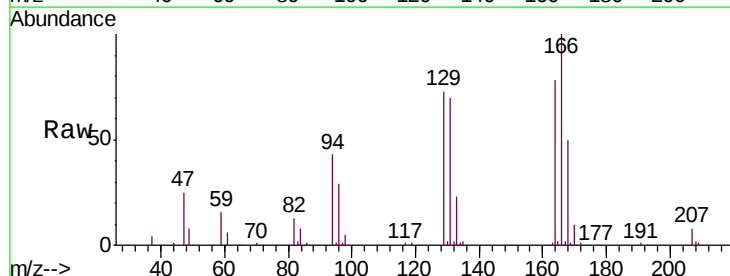
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEE25DL

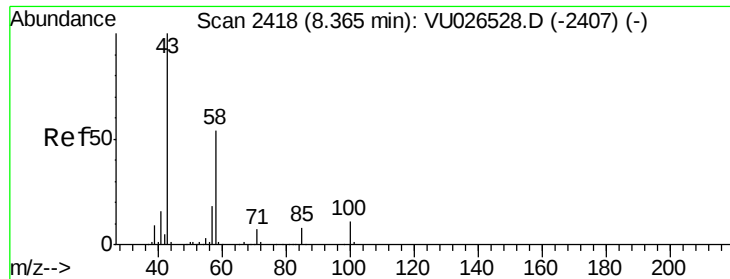
Tgt Ion: 63 Resp: 6005  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.0 4.6#



#46  
 Tetrachloroethene  
 Concen: 71.903 ug/L  
 RT: 8.23 min Scan# 2376  
 Delta R.T. -0.00 min  
 Lab File: VU026536.D  
 Acq: 05 Sep 2018 11:26

Tgt Ion: 164 Resp: 66000  
 Ion Ratio Lower Upper  
 164 100  
 129 94.7 67.3 125.1  
 131 90.3 65.3 121.3  
 166 128.9 90.9 168.7

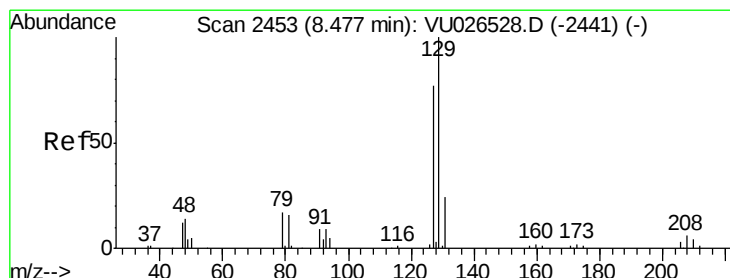
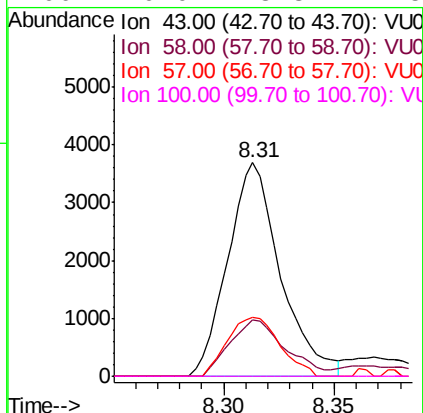
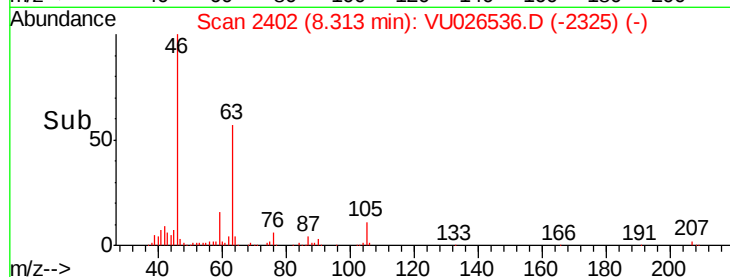
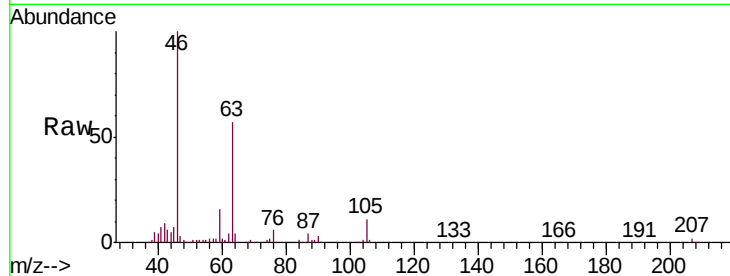




#48  
2-Hexanone  
Concen: 4.653 ug/L  
RT: 8.31 min Scan# 2402  
Delta R.T. -0.05 min  
Lab File: VU026536.D  
Acq: 05 Sep 2018 11:26

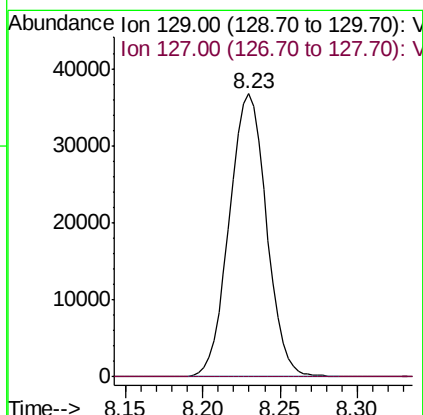
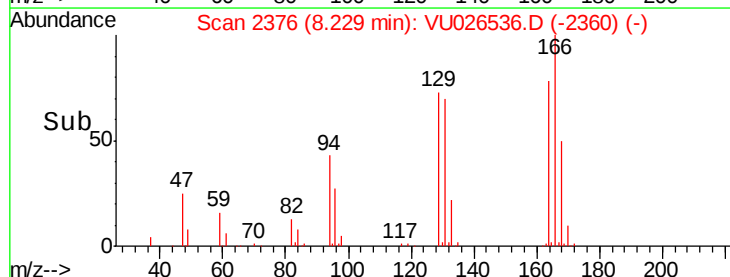
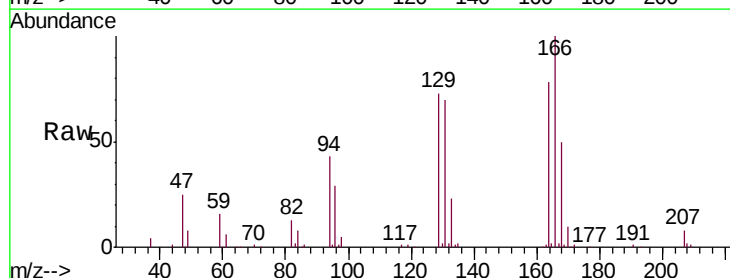
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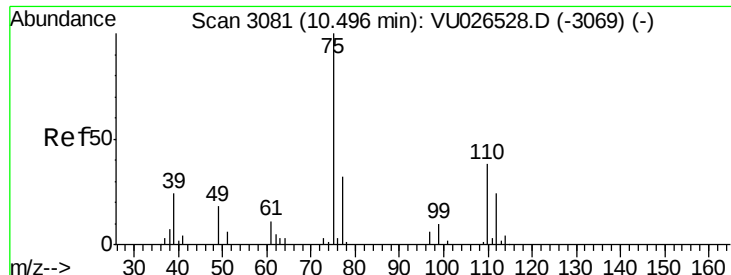
Tgt Ion: 43 Resp: 6124  
Ion Ratio Lower Upper  
43 100  
58 27.4 42.2 63.4#  
57 27.4 14.6 21.8#  
100 0.0 8.3 12.5#



#49  
Dibromochloromethane  
Concen: 47.965 ug/L  
RT: 8.23 min Scan# 2376  
Delta R.T. -0.25 min  
Lab File: VU026536.D  
Acq: 05 Sep 2018 11:26

Tgt Ion: 129 Resp: 61350  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.0 102.2#





#59

1,2,3-Trichloropropane

Concen: 4.855 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026536.D

Acq: 05 Sep 2018 11:26

Instrument :

MSVOA\_U

ClientSampleId :

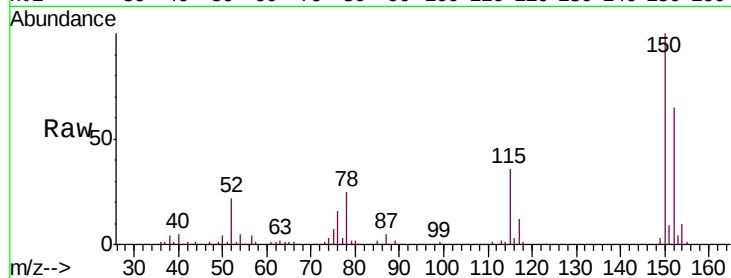
BEE25DL

Tgt Ion: 75 Resp: 7507

Ion Ratio Lower Upper

75 100

77 36.2 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

4000

3000

2000

1000

0

11.45

11.50

Time-->

