

Data File : VU031940.D  
Acq On : 12 May 2019 13:57  
Operator : JC/SP  
Sample : K2791-03  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9D34

Quant Time: May 13 07:03:45 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  | 489726   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 506869   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 184090   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 122206   | 3.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 73.20%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 122819   | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 186101   | 2.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 51.80%# |
| 20) 2-Butanone-d5              | 4.18   | 46    | 526626   | 40.41    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 80.82%  |
| 24) Chloroform-d               | 4.64   | 84    | 276196   | 4.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 80.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 161267   | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 77.60%  |
| 32) Benzene-d6                 | 5.33   | 84    | 529716   | 4.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 81.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 184963   | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 77.60%  |
| 41) Toluene-d8                 | 7.56   | 98    | 381829   | 3.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 68.80%# |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 56347    | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 67.40%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 354069   | 41.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 83.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 168540   | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 147008   | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.60%  |

#### Target Compounds

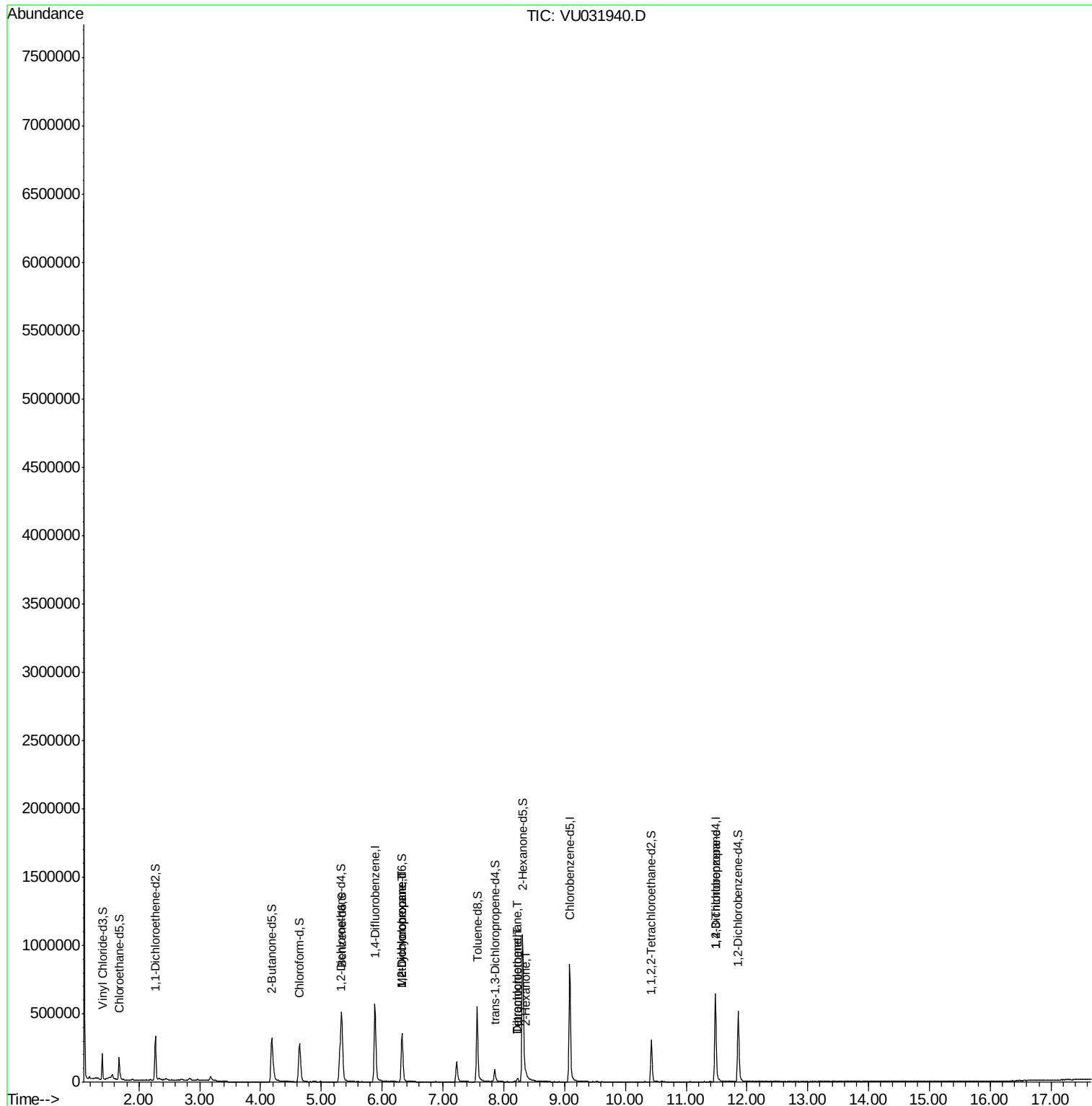
|                            |       |     |       |              | Qvalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 35) Methylcyclohexane      | 6.33  | 83  | 40906 | 0.639 ug/L # | 11     |
| 37) 1,2-Dichloropropane    | 6.33  | 63  | 18461 | 0.365 ug/L # | 92     |
| 47) Tetrachloroethene      | 8.22  | 164 | 5906  | 0.204 ug/L   | 94     |
| 48) 2-Hexanone             | 8.37  | 43  | 23681 | 0.979 ug/L # | 47     |
| 49) Dibromochloromethane   | 8.22  | 129 | 6070  | 0.174 ug/L # | 10     |
| 59) 1,2,3-Trichloropropane | 11.48 | 75  | 22576 | 0.754 ug/L   | 94     |

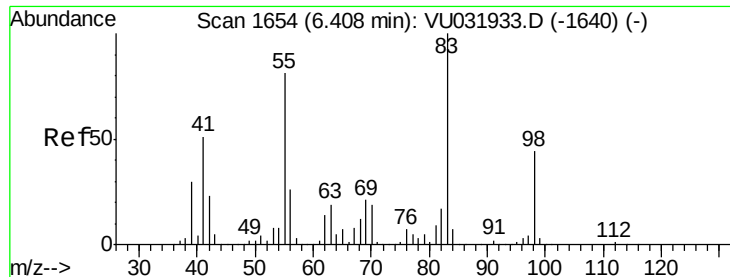
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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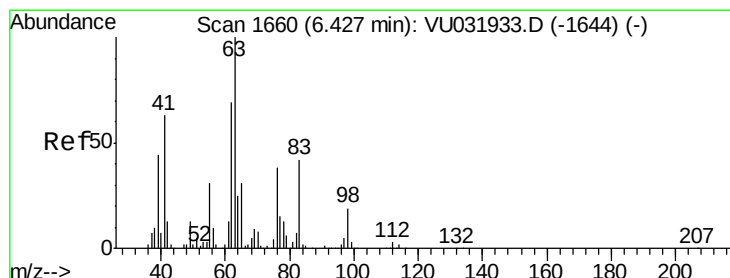
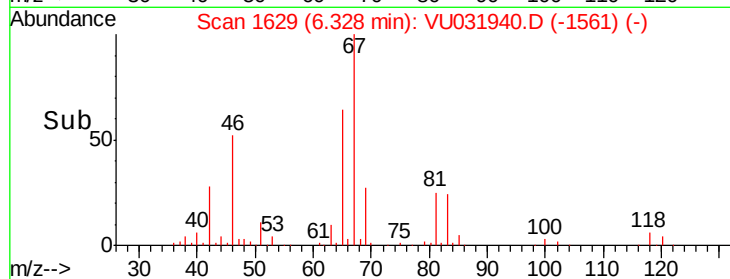
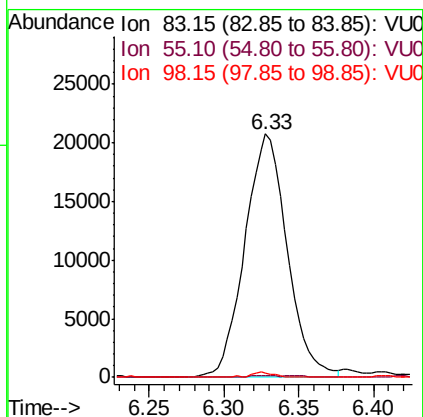
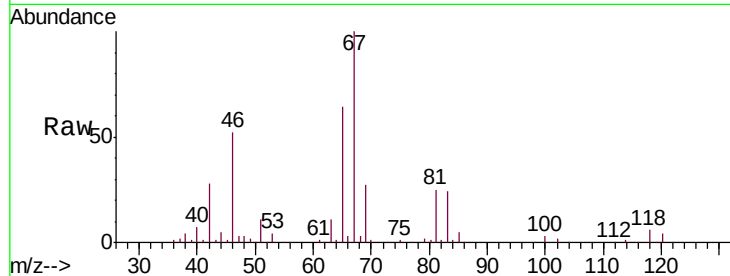




#35  
Methylcyclohexane  
Concen: 0.639 ug/L  
RT: 6.33 min Scan# 1629  
Delta R.T. -0.08 min  
Lab File: VU031940.D  
Acq: 12 May 2019 13:57

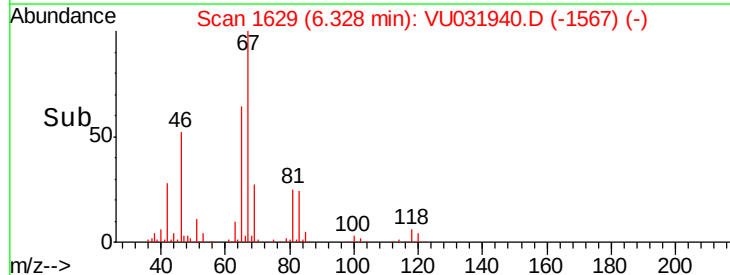
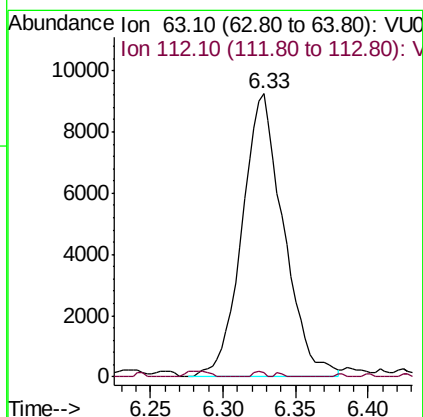
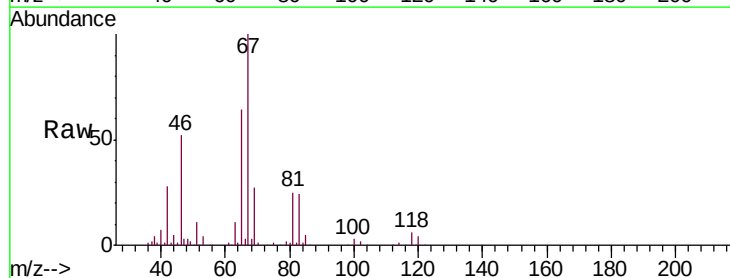
Instrument :  
MSVOA\_U  
ClientSampleId :  
F9D34

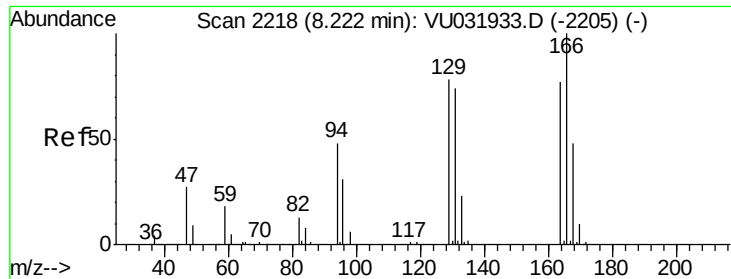
Tgt Ion: 83 Resp: 40906  
Ion Ratio Lower Upper  
83 100  
55 0.5 79.2 118.8#  
98 1.1 34.0 51.0#



#37  
1,2-Dichloropropane  
Concen: 0.365 ug/L  
RT: 6.33 min Scan# 1629  
Delta R.T. -0.10 min  
Lab File: VU031940.D  
Acq: 12 May 2019 13:57

Tgt Ion: 63 Resp: 18461  
Ion Ratio Lower Upper  
63 100  
112 0.5 2.5 3.7#

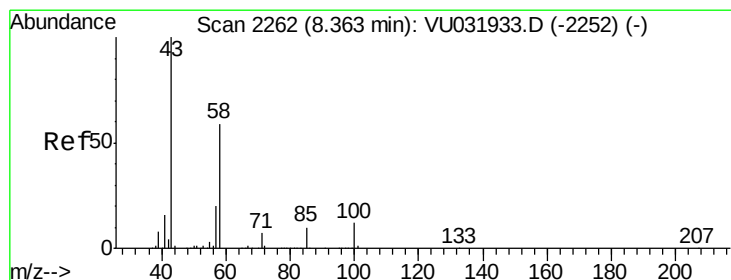
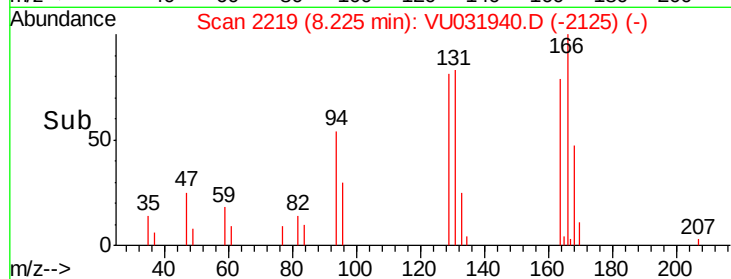
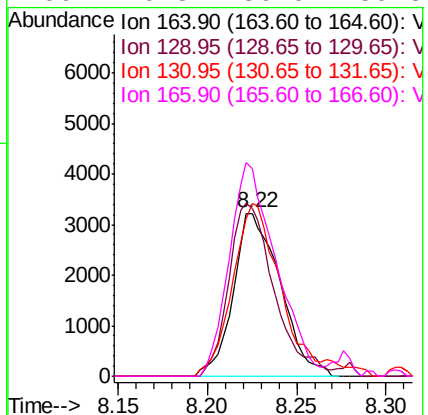
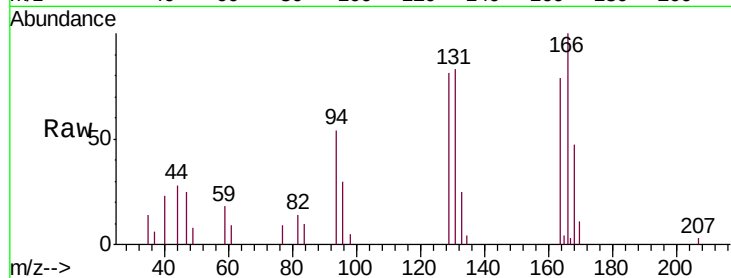




#47  
Tetrachloroethene  
Concen: 0.204 ug/L  
RT: 8.22 min Scan# 2219  
Delta R.T. 0.00 min  
Lab File: VU031940.D  
Acq: 12 May 2019 13:57

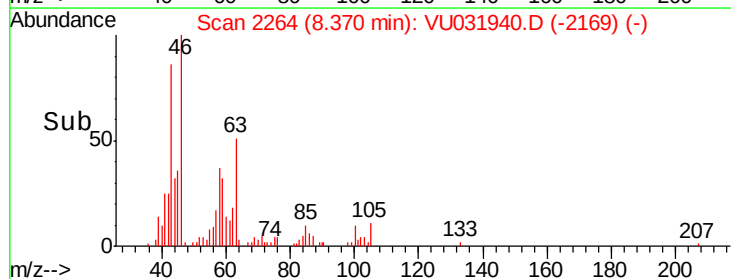
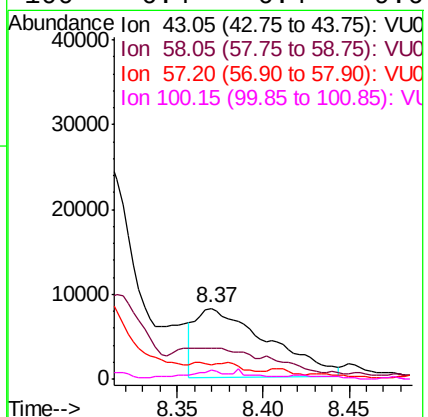
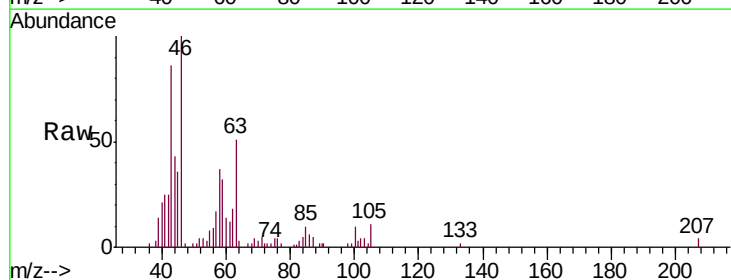
Instrument :  
MSVOA\_U  
ClientSampleId :  
F9D34

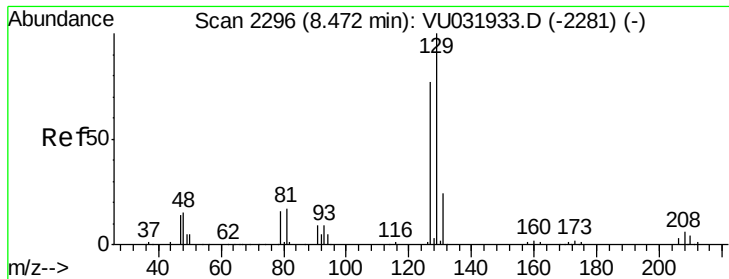
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 5906  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 103.1 | 70.3  | 130.5 |
| 131      | 105.7 | 65.4  | 121.4 |
| 166      | 126.8 | 86.0  | 159.8 |



#48  
2-Hexanone  
Concen: 0.979 ug/L  
RT: 8.37 min Scan# 2264  
Delta R.T. 0.01 min  
Lab File: VU031940.D  
Acq: 12 May 2019 13:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 23681 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 4.8   | 40.2  | 60.2# |
| 57       | 0.0   | 13.8  | 20.6# |
| 100      | 6.4   | 6.4   | 9.6   |





#49

Dibromochloromethane

Concen: 0.174 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU031940.D

Acq: 12 May 2019 13:57

Instrument :

MSVOA\_U

ClientSampled :

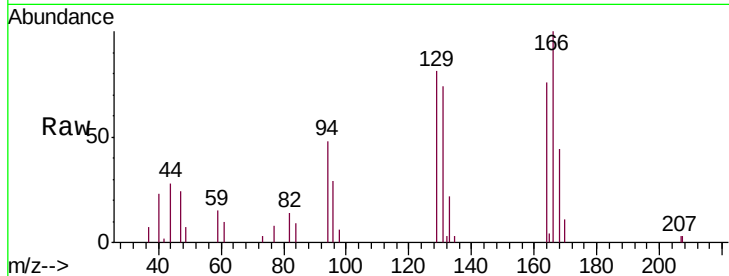
F9D34

Tgt Ion:129 Resp: 6070

Ion Ratio Lower Upper

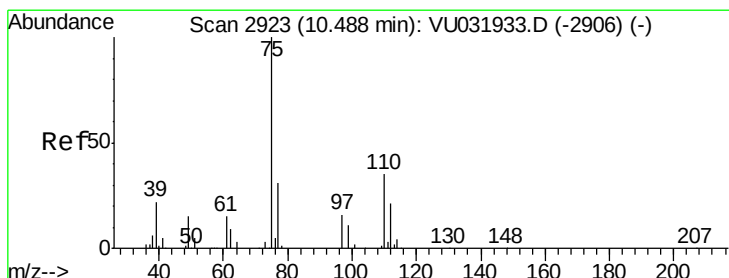
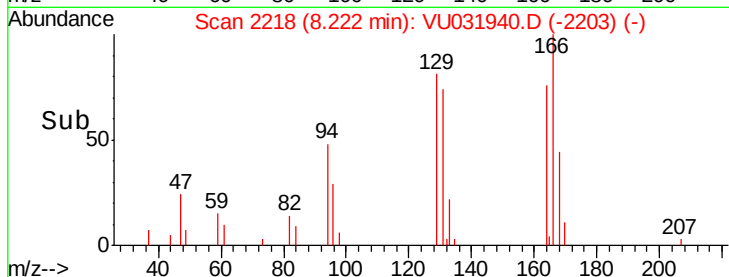
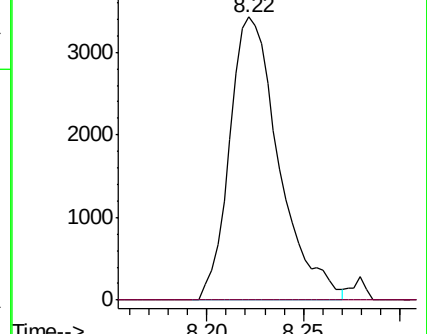
129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.754 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031940.D

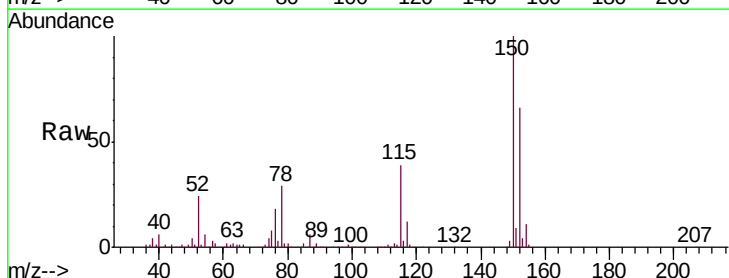
Acq: 12 May 2019 13:57

Tgt Ion: 75 Resp: 22576

Ion Ratio Lower Upper

75 100

77 36.4 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

