

Data File : VU031943.D  
Acq On : 12 May 2019 15:11  
Operator : JC/SP  
Sample : K2791-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9D37

Quant Time: May 13 07:04:11 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  | 466389   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 478218   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 164601   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 126813   | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.80%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 125546   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 183031   | 2.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 53.40%# |
| 20) 2-Butanone-d5              | 4.18   | 46    | 525834   | 42.37    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 84.74%  |
| 24) Chloroform-d               | 4.64   | 84    | 283824   | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 160387   | 4.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.00%  |
| 32) Benzene-d6                 | 5.33   | 84    | 528782   | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 188678   | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 84.00%  |
| 41) Toluene-d8                 | 7.56   | 98    | 391484   | 3.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 74.80%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 55624    | 3.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 70.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 341699   | 42.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 85.66%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 164386   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 142482   | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.60% |

#### Target Compounds

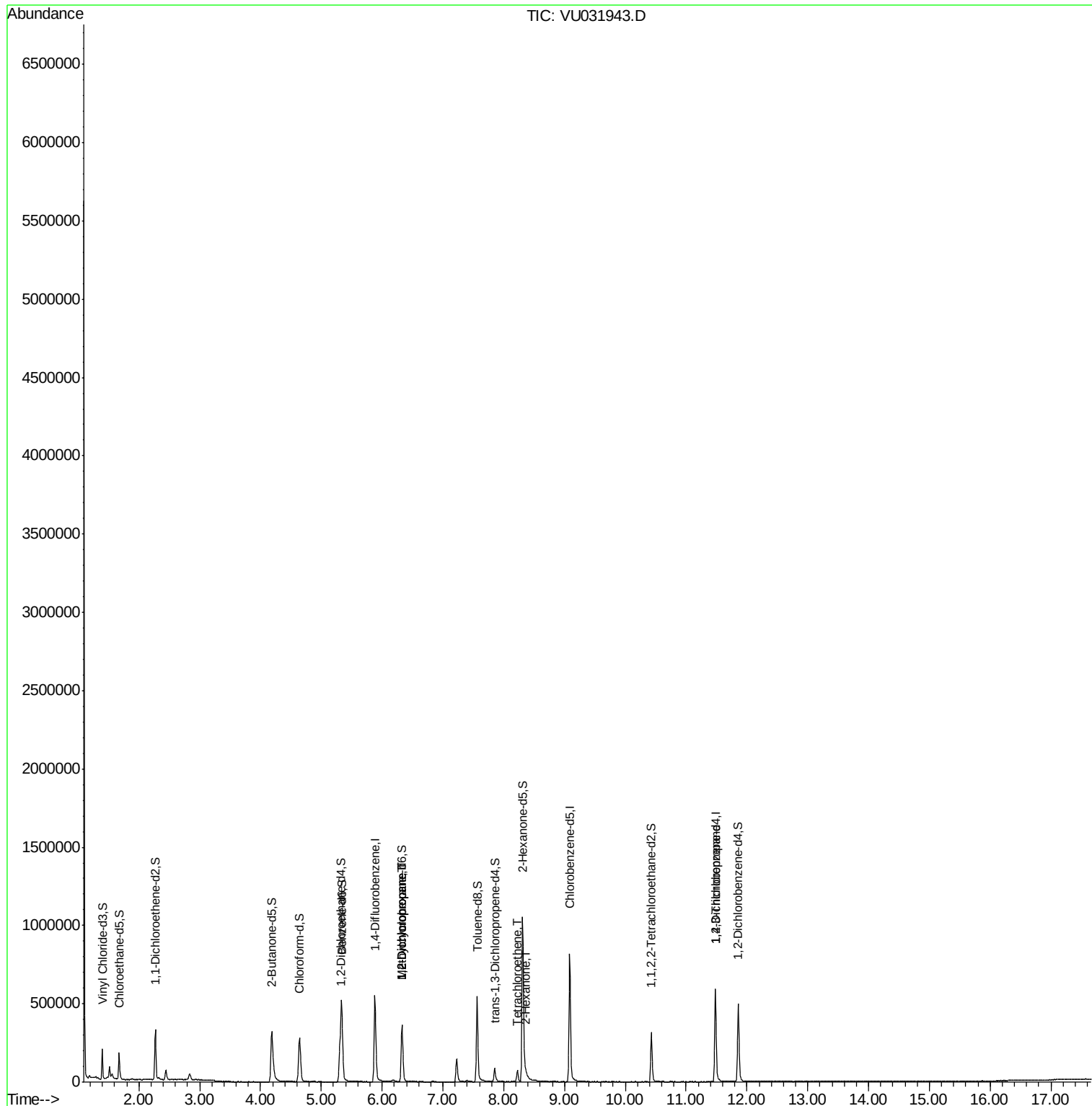
|                            |       |     |       |              | Qvalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 35) Methylcyclohexane      | 6.32  | 83  | 42618 | 0.706 ug/L # | 11     |
| 37) 1,2-Dichloropropane    | 6.33  | 63  | 19667 | 0.412 ug/L # | 93     |
| 47) Tetrachloroethene      | 8.22  | 164 | 18689 | 0.684 ug/L   | 96     |
| 48) 2-Hexanone             | 8.37  | 43  | 26960 | 1.181 ug/L # | 93     |
| 59) 1,2,3-Trichloropropane | 11.48 | 75  | 20016 | 0.709 ug/L   | 90     |

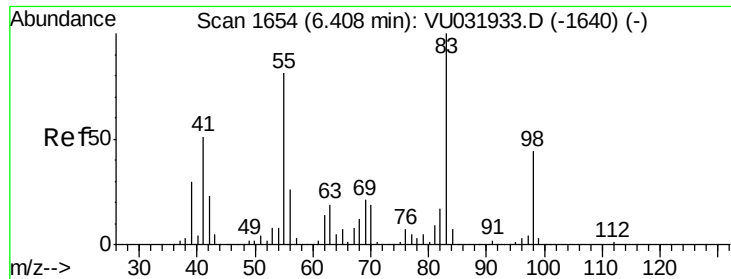
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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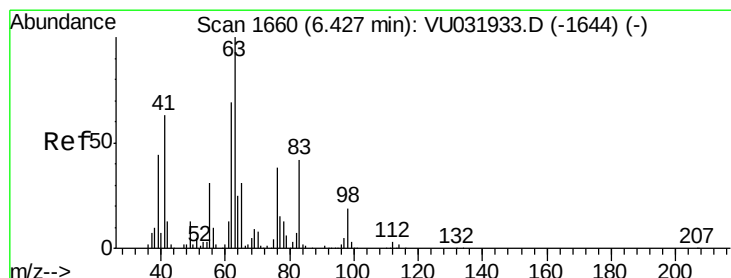
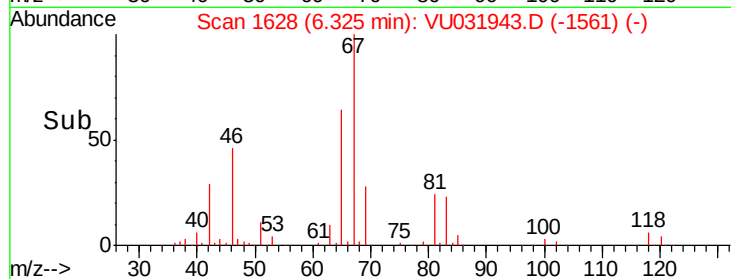
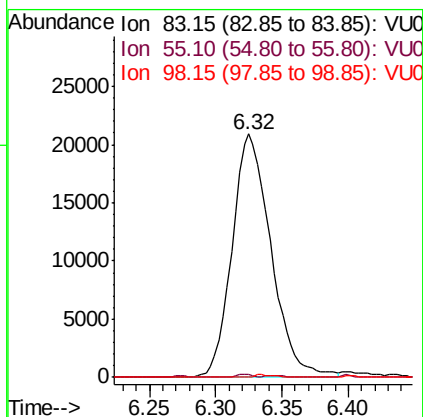
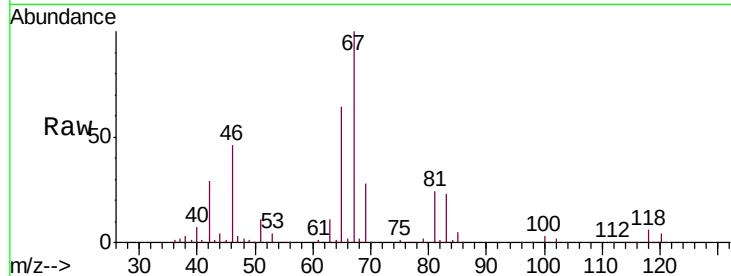




#35  
Methylcyclohexane  
Concen: 0.706 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.08 min  
Lab File: VU031943.D  
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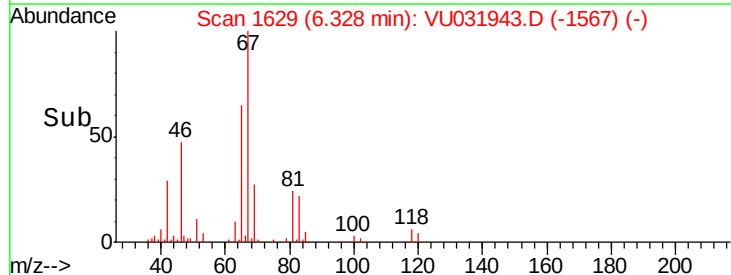
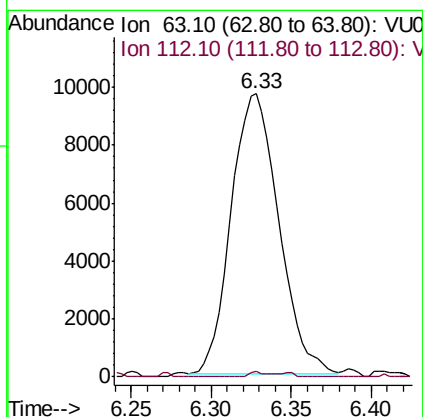
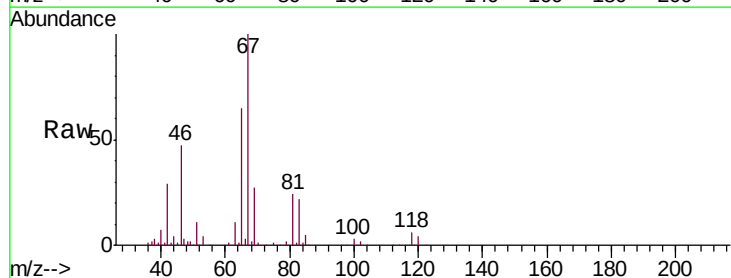
Instrument :  
MSVOA\_U  
ClientSampleId :  
F9D37

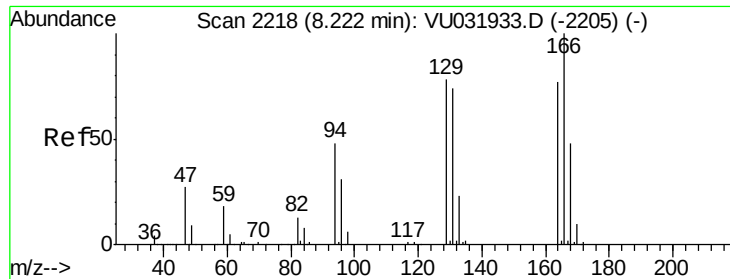
Tgt Ion: 83 Resp: 42618  
Ion Ratio Lower Upper  
83 100  
55 0.4 79.2 118.8#  
98 0.0 34.0 51.0#



#37  
1,2-Dichloropropane  
Concen: 0.412 ug/L  
RT: 6.33 min Scan# 1629  
Delta R.T. -0.10 min  
Lab File: VU031943.D  
Acq: 12 May 2019 15:11

Tgt Ion: 63 Resp: 19667  
Ion Ratio Lower Upper  
63 100  
112 0.8 2.5 3.7#





#47

Tetrachloroethene

Concen: 0.684 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031943.D

Acq: 12 May 2019 15:11

Instrument :

MSVOA\_U

ClientSampleId :

F9D37

Tgt Ion:164 Resp: 18689

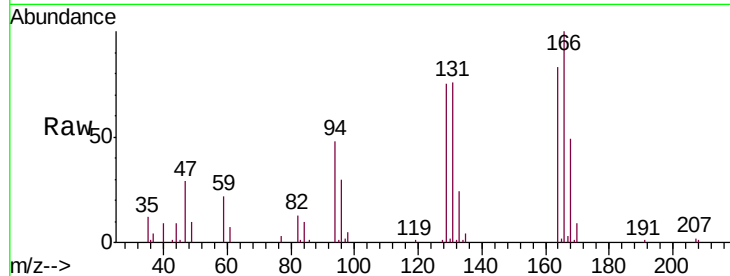
Ion Ratio Lower Upper

164 100

129 90.7 70.3 130.5

131 91.4 65.4 121.4

166 120.9 86.0 159.8

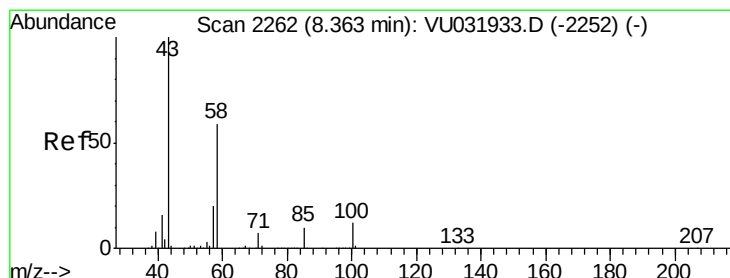
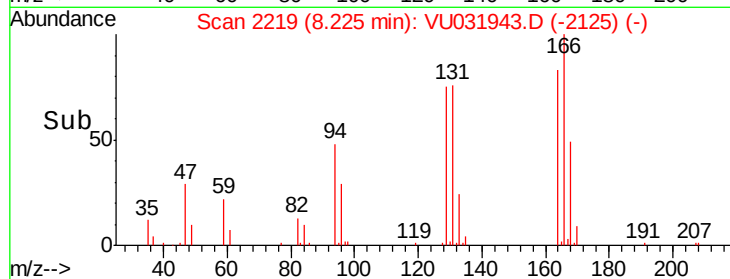
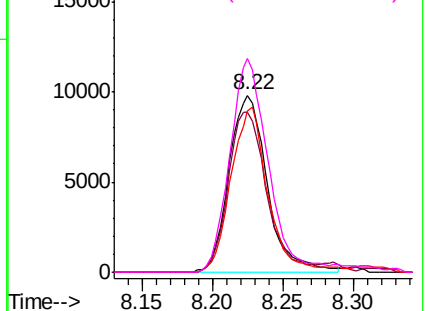


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.181 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU031943.D

Acq: 12 May 2019 15:11

Tgt Ion: 43 Resp: 26960

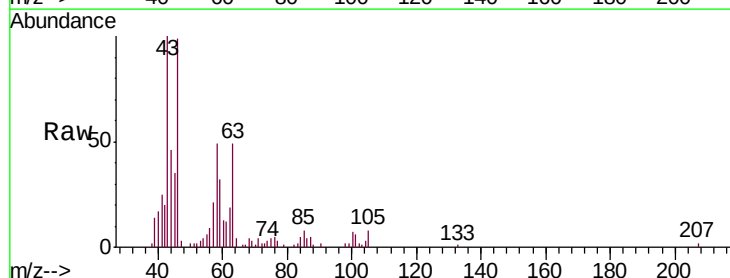
Ion Ratio Lower Upper

43 100

58 49.3 40.2 60.2

57 9.4 13.8 20.6#

100 2.4 6.4 9.6#

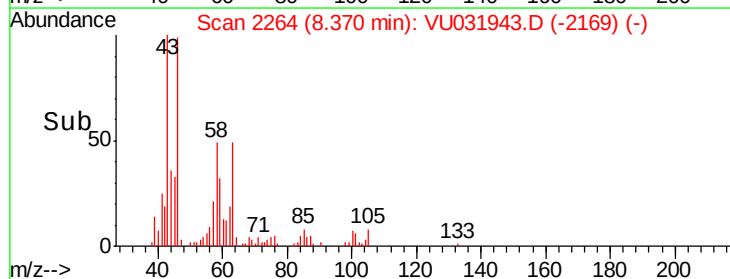
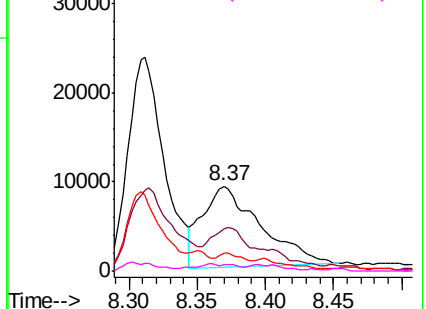


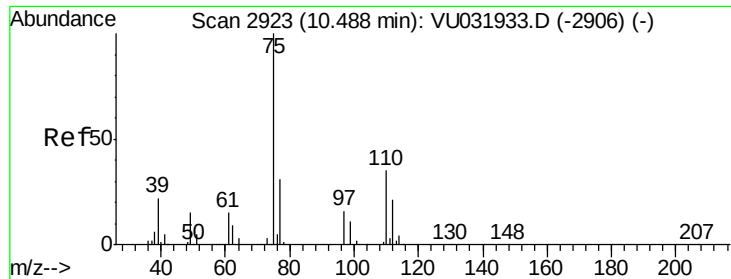
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 0.709 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031943.D

Acq: 12 May 2019 15:11

Instrument :

MSVOA\_U

ClientSampleId :

F9D37

Tgt Ion: 75 Resp: 20016

Ion Ratio Lower Upper

75 100

77 38.6 26.3 39.5

