

Data File : VU030085.D  
Acq On : 14 Mar 2019 19:38  
Operator : JC/SP  
Sample : K1859-03  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0BQ8

Quant Time: Mar 15 02:48:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 15 02:44:49 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 455322   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 441276   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 206797   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 142826   | 47.42    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.84% |
| 7) Chloroethane-d5             | 1.68    | 69    | 116538   | 47.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.86% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 192008   | 35.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.64% |
| 21) 2-Butanone-d5              | 4.17    | 46    | 207038   | 91.75    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 91.75% |
| 24) Chloroform-d               | 4.65    | 84    | 245031   | 45.36    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.72% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 145111   | 46.49    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.98% |
| 32) Benzene-d6                 | 5.34    | 84    | 529845   | 46.64    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.28% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 165421   | 47.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.16% |
| 41) Toluene-d8                 | 7.56    | 98    | 484960   | 45.59    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.18% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 73070    | 43.39    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.78% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 167603   | 86.16    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 86.16% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 236882   | 44.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.68% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 191335   | 47.76    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.52% |

#### Target Compounds

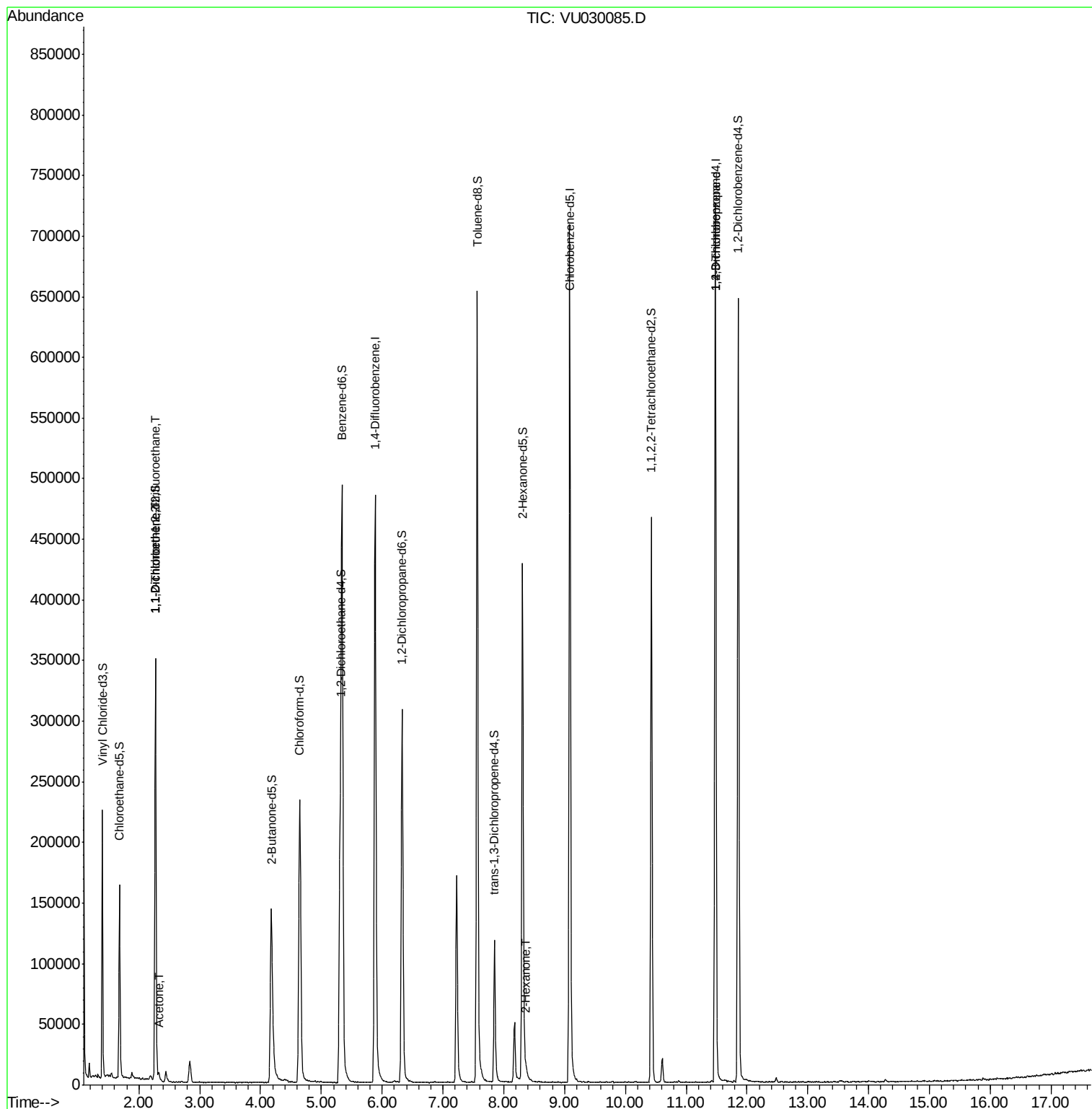
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 2054  | 0.687 ug/L # | 23     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 1728  | 0.605 ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 4305  | 1.632 ug/L   | 94     |
| 48) 2-Hexanone                 | 8.36  | 43  | 3937  | 1.029 ug/L # | 60     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 21875 | 5.057 ug/L   | 98     |

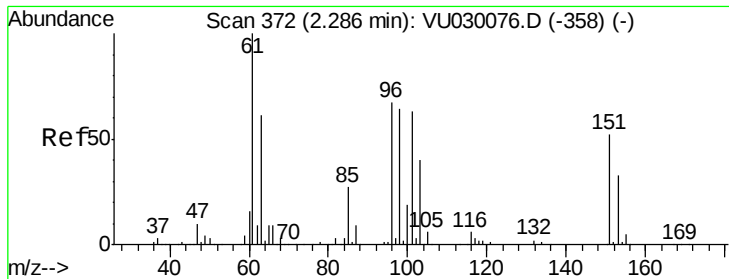
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU030085.D  
Acq On : 14 Mar 2019 19:38  
Operator : JC/SP  
Sample : K1859-03  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0BQ8

Quant Time: Mar 15 02:48:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 15 02:44:49 2019  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.687 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030085.D

Acq: 14 Mar 2019 19:38

Instrument :

MSVOA\_U

ClientSampleId :

C0BQ8

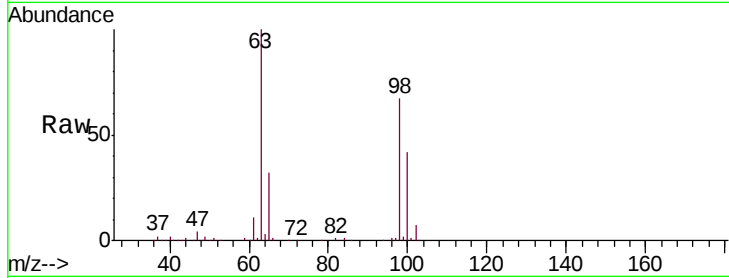
Tgt Ion: 101 Resp: 2054

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

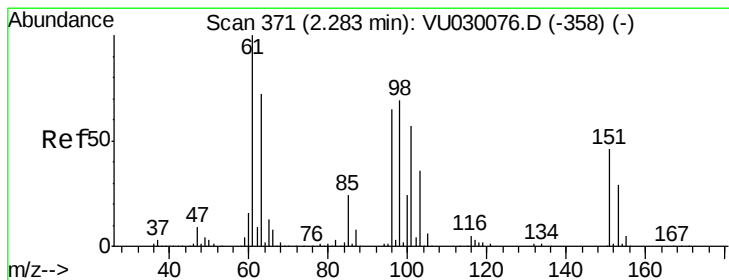
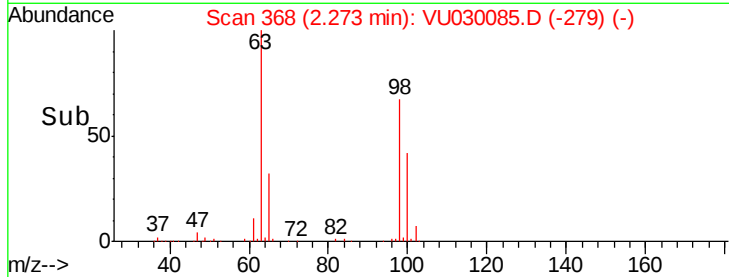
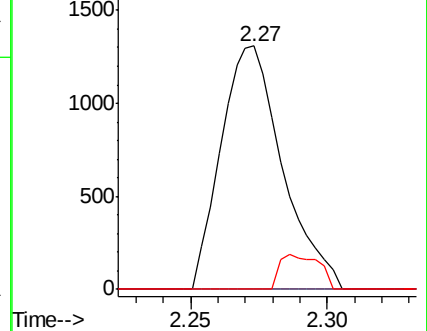
151 9.0 66.1 99.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.605 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030085.D

Acq: 14 Mar 2019 19:38

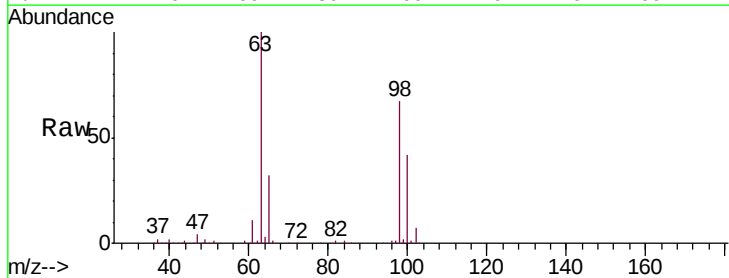
Tgt Ion: 96 Resp: 1728

Ion Ratio Lower Upper

96 100

61 1203.2 110.4 205.0#

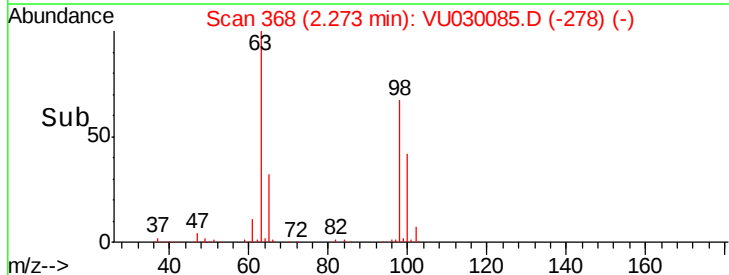
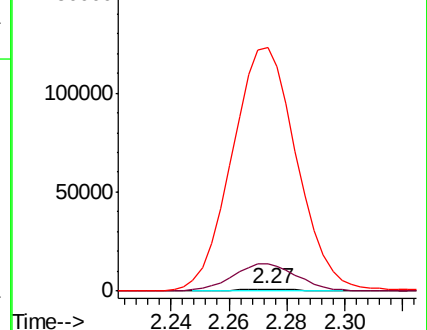
63 10794.0 86.5 160.7#

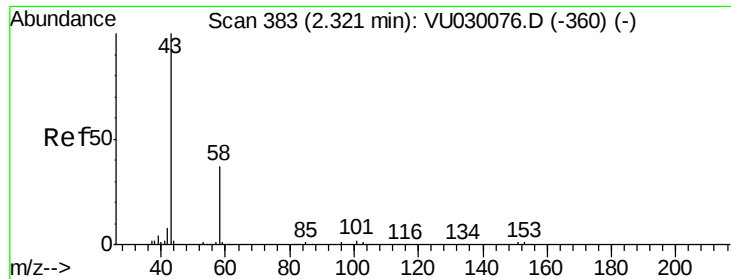


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.632 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030085.D

Acq: 14 Mar 2019 19:38

Instrument :

MSVOA\_U

ClientSampleId :

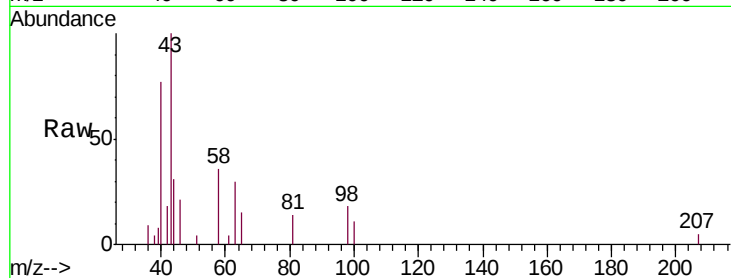
C0BQ8

Tgt Ion: 43 Resp: 4305

Ion Ratio Lower Upper

43 100

58 32.8 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU030076.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU030076.D (-360) (-)

2.32

2500

2000

1500

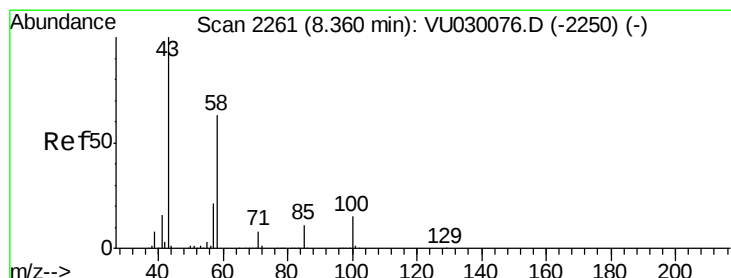
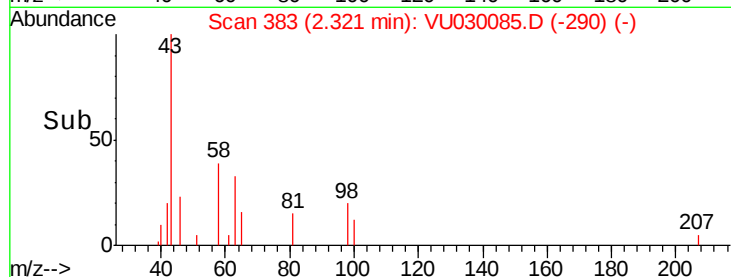
1000

500

0

2.30 2.35 2.40

Time-->



#48

2-Hexanone

Concen: 1.029 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU030085.D

Acq: 14 Mar 2019 19:38

Tgt Ion: 43 Resp: 3937

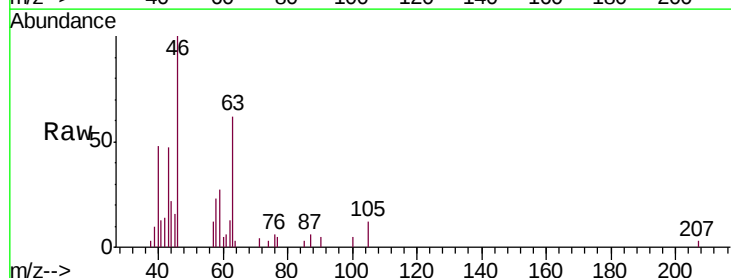
Ion Ratio Lower Upper

43 100

58 26.9 48.6 72.8#

57 4.3 16.1 24.1#

100 3.5 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VU030076.D (-2250) (-)

Ion 58.00 (57.70 to 58.70): VU030076.D (-2250) (-)

Ion 57.00 (56.70 to 57.70): VU030076.D (-2250) (-)

Ion 100.00 (99.70 to 100.70): VU030076.D (-2250) (-)

8.36

12000

10000

8000

6000

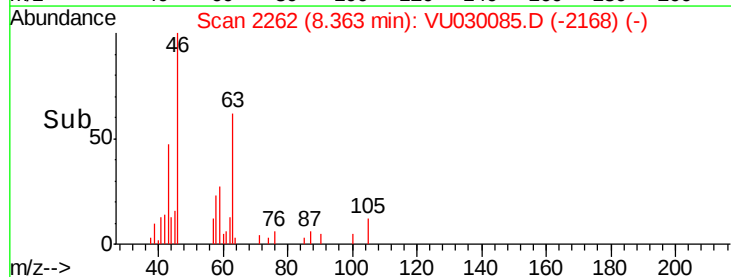
4000

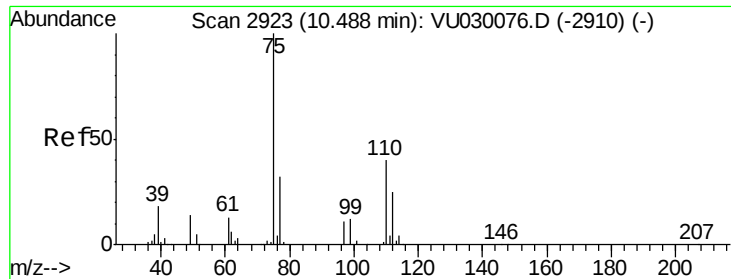
2000

0

8.35 8.40

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.057 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030085.D

Acq: 14 Mar 2019 19:38

Instrument :

MSVOA\_U

ClientSampleId :

C0BQ8

Tgt Ion: 75 Resp: 21875

Ion Ratio Lower Upper

75 100

77 33.3 25.8 38.8

