

Data File : VU031626.D  
Acq On : 30 Apr 2019 12:09  
Operator : JC/SP  
Sample : VU0430WBL01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK49

Quant Time: May 01 01:41:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 01 01:38:49 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 621576   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 613270   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 220552   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 234855   | 45.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.30%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 198623   | 49.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.82%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 372683   | 35.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.94%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 511233   | 108.46   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 108.46% |
| 24) Chloroform-d               | 4.64    | 84    | 474247   | 49.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 333875   | 53.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.28% |
| 32) Benzene-d6                 | 5.34    | 84    | 908490   | 48.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.48%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 328312   | 49.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.10%  |
| 41) Toluene-d8                 | 7.56    | 98    | 724900   | 44.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.38%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 129288   | 45.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.92%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 280284   | 97.74    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 437746   | 49.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.46%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 238369   | 51.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.78% |

#### Target Compounds

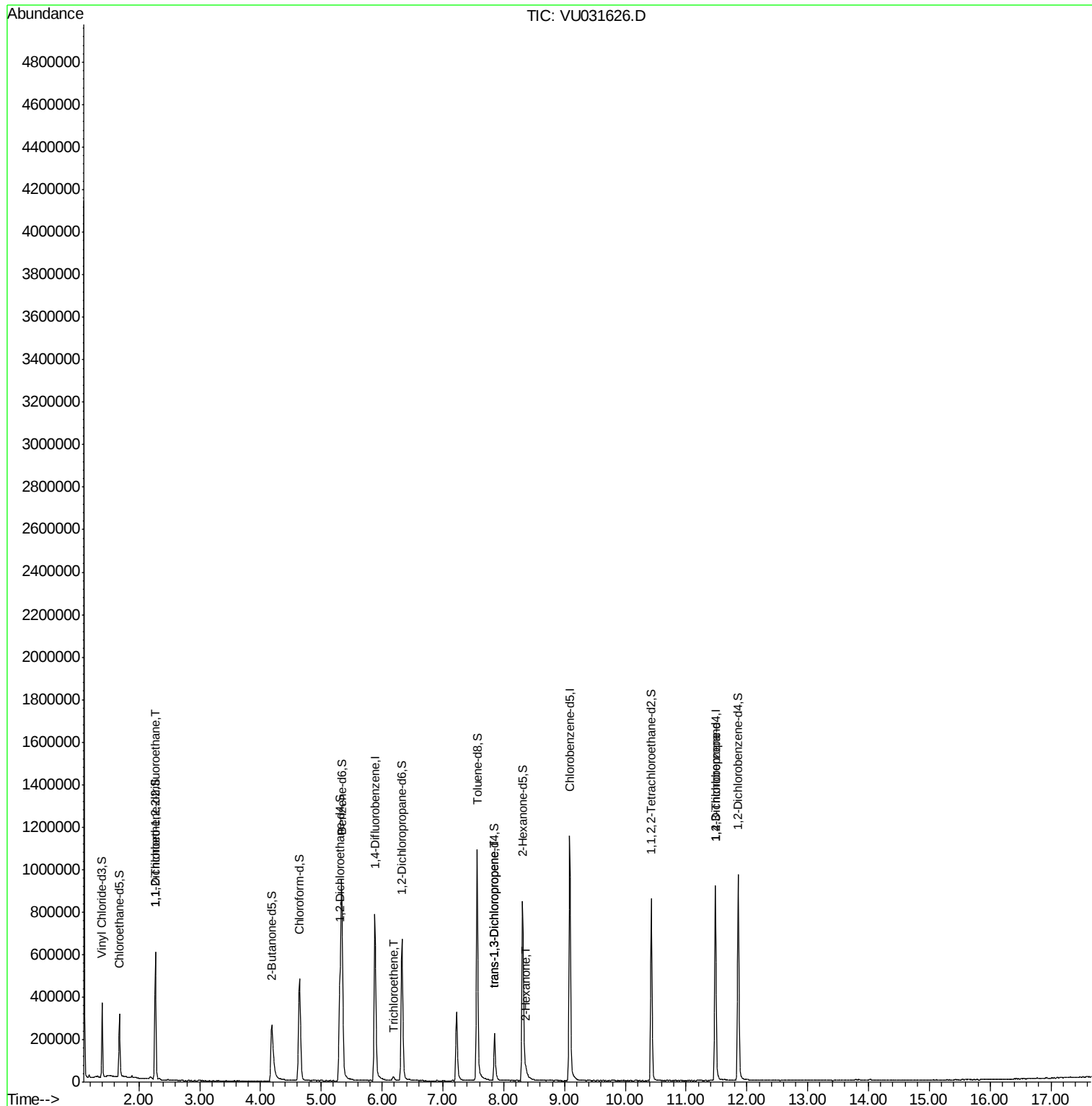
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 3053  | 0.613 ug/L # | 25     |
| 34) Trichloroethene            | 6.19  | 95  | 3115  | 0.570 ug/L   | 82     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 5502  | 0.717 ug/L   | 90     |
| 48) 2-Hexanone                 | 8.37  | 43  | 18185 | 2.283 ug/L # | 66     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 32364 | 4.264 ug/L   | 90     |

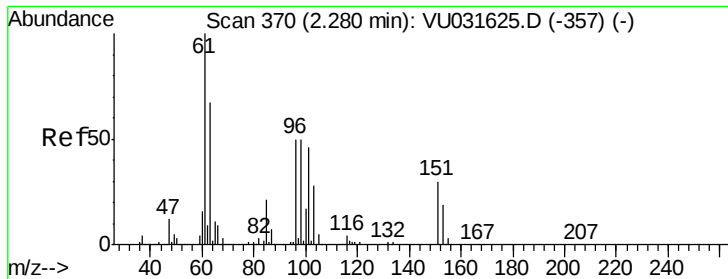
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU031626.D  
Acq On : 30 Apr 2019 12:09  
Operator : JC/SP  
Sample : VU0430WBL01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK49

Quant Time: May 01 01:41:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 01 01:38:49 2019  
Response via : Initial Calibration





#10

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

Concen: 0.613 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031626.D

Acq: 30 Apr 2019 12:09

Instrument :

MSVOA\_U

ClientSampleId :

VBLK49

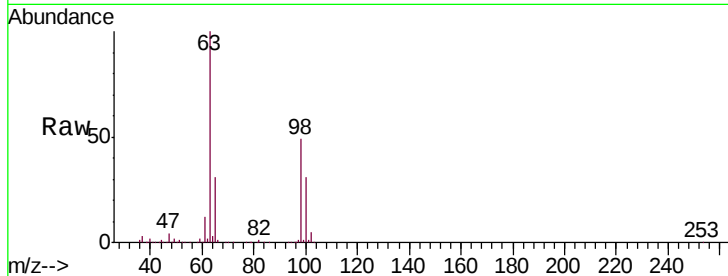
Tgt Ion: 101 Resp: 3053

Ion Ratio Lower Upper

101 100

85 3.1 36.1 54.1#

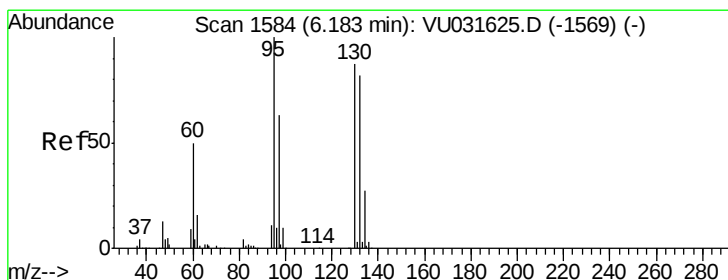
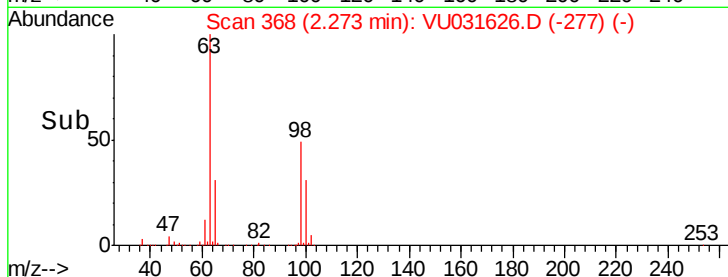
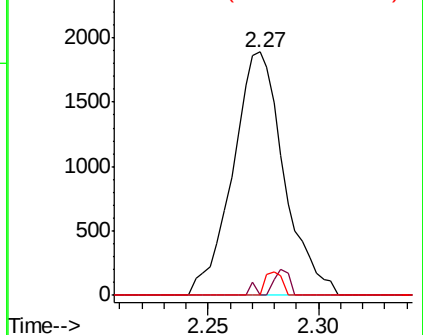
151 3.1 56.1 84.1#



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



#34

Trichloroethene

Concen: 0.570 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU031626.D

Acq: 30 Apr 2019 12:09

Tgt Ion: 95 Resp: 3115

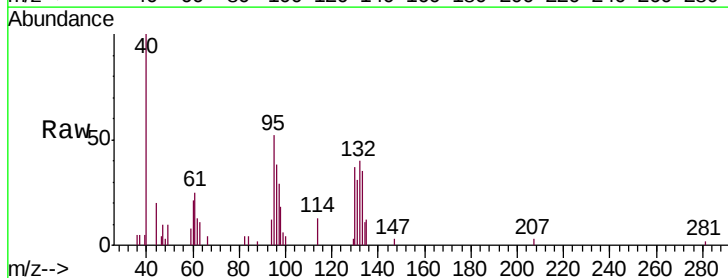
Ion Ratio Lower Upper

95 100

97 55.6 44.8 83.2

132 75.7 63.1 117.1

130 70.8 66.5 123.5

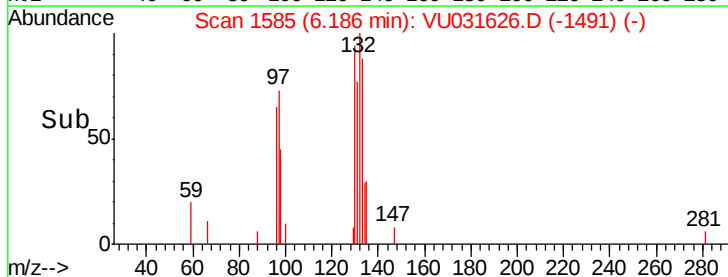
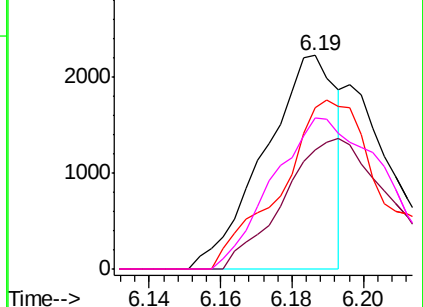


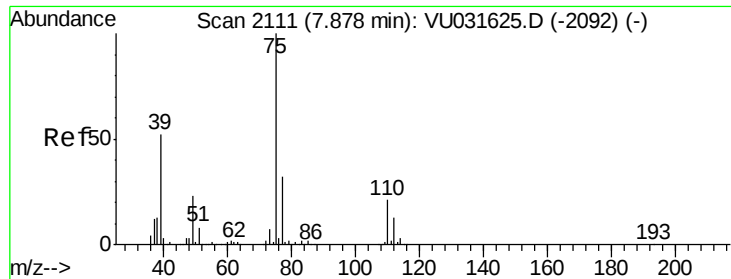
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

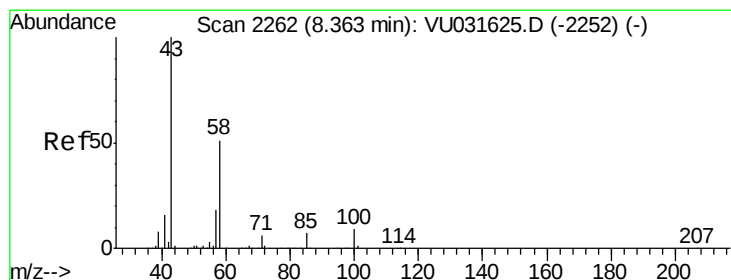
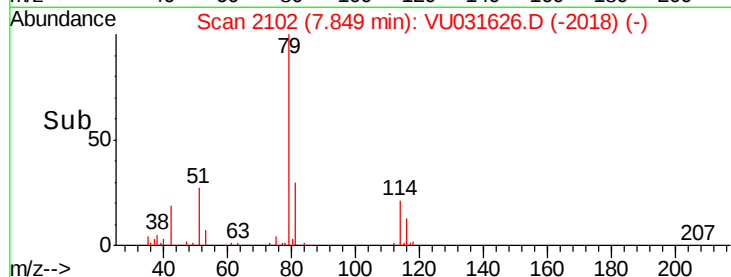
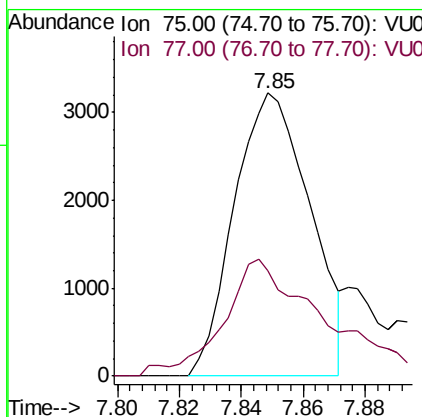
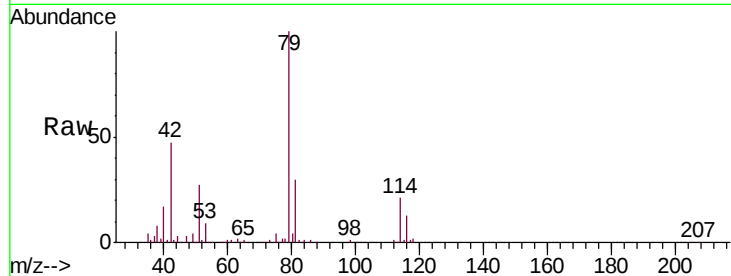




#44  
 trans-1,3-Dichloropropene  
 Concen: 0.717 ug/L  
 RT: 7.85 min Scan# 2102  
 Delta R.T. -0.03 min  
 Lab File: VU031626.D  
 Acq: 30 Apr 2019 12:09

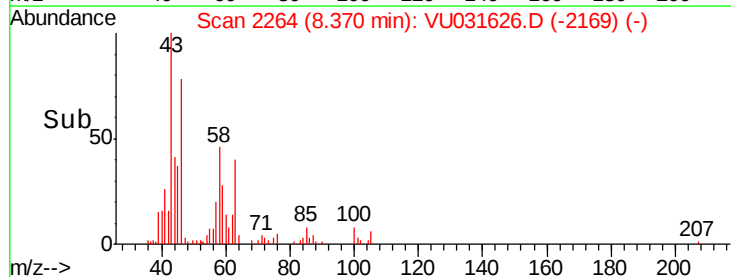
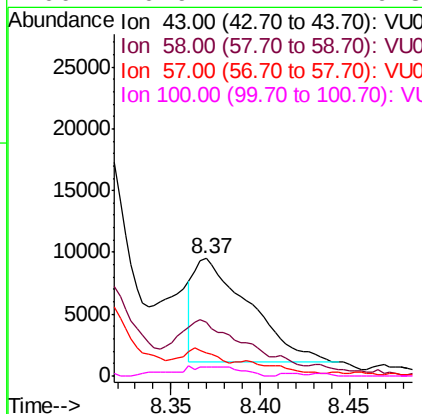
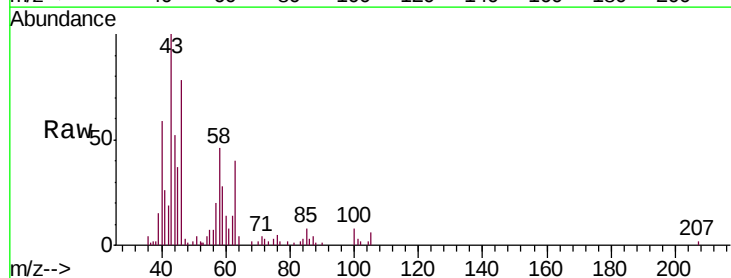
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK49

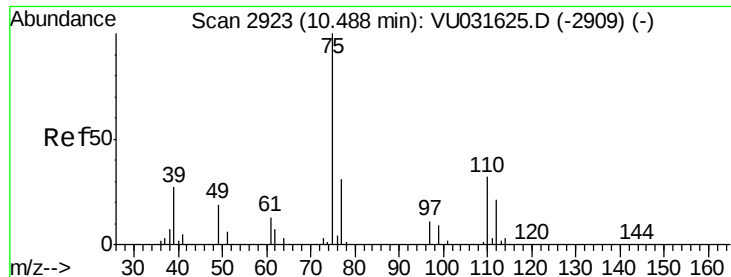
Tgt Ion: 75 Resp: 5502  
 Ion Ratio Lower Upper  
 75 100  
 77 37.3 22.1 41.1



#48  
 2-Hexanone  
 Concen: 2.283 ug/L  
 RT: 8.37 min Scan# 2264  
 Delta R.T. 0.01 min  
 Lab File: VU031626.D  
 Acq: 30 Apr 2019 12:09

Tgt Ion: 43 Resp: 18185  
 Ion Ratio Lower Upper  
 43 100  
 58 24.1 42.1 63.1#  
 57 9.3 14.6 22.0#  
 100 0.9 7.2 10.8#





#59

1,2,3-Trichloropropane

Concen: 4.264 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031626.D

Acq: 30 Apr 2019 12:09

Instrument :

MSVOA\_U

ClientSampleId :

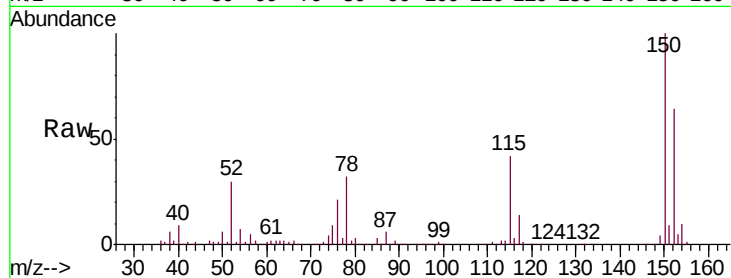
VBLK49

Tgt Ion: 75 Resp: 32364

Ion Ratio Lower Upper

75 100

77 37.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

