

Data File : VU030639.D  
Acq On : 03 Apr 2019 19:51  
Operator : JC/SP  
Sample : K2166-01ME  
Misc : 6.10g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF103ME

Quant Time: Apr 04 06:57:49 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 04 06:52:42 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 477568   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 461398   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 230415   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 98988    | 25.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 51.52%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 64716    | 21.24    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 42.48%# |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 144611   | 19.83    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 39.66%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 175779   | 48.65    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 48.65%  |
| 24) Chloroform-d               | 4.64    | 84    | 161034   | 24.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 48.64%# |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 112429   | 25.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 51.90%# |
| 32) Benzene-d6                 | 5.33    | 84    | 366767   | 27.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 55.44%# |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 120942   | 26.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 53.44%# |
| 41) Toluene-d8                 | 7.56    | 98    | 316811   | 26.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 53.32%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 52919    | 24.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 49.72%# |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 130397   | 53.15    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 53.15%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 178014   | 27.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 54.96%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 124126   | 26.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 53.78%# |

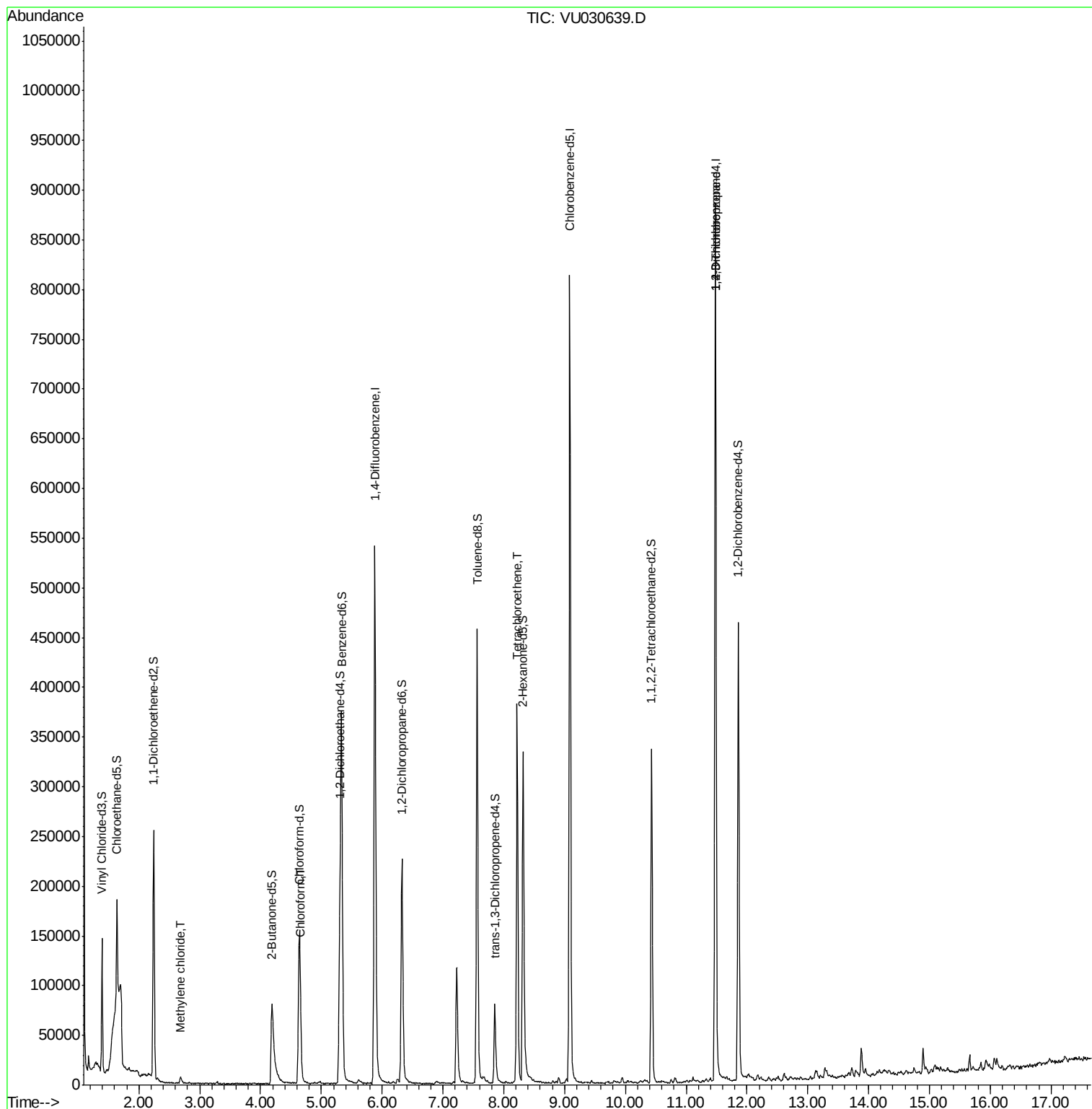
| Target Compounds           |       |     |       |        |      | Qvalue |
|----------------------------|-------|-----|-------|--------|------|--------|
| 16) Methylene chloride     | 2.68  | 84  | 2630  | 0.653  | ug/L | 78     |
| 25) Chloroform             | 4.67  | 83  | 4759  | 0.681  | ug/L | 81     |
| 46) Tetrachloroethene      | 8.22  | 164 | 86598 | 32.111 | ug/L | 96     |
| 59) 1,2,3-Trichloropropane | 11.48 | 75  | 28955 | 5.337  | ug/L | 90     |

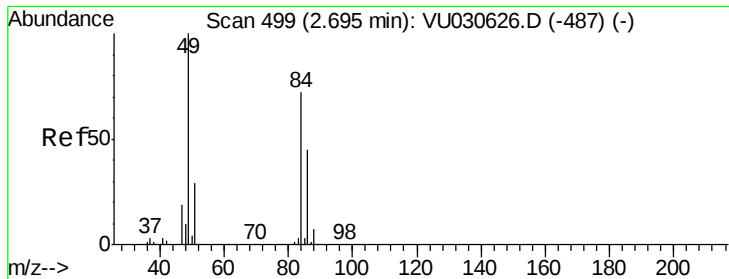
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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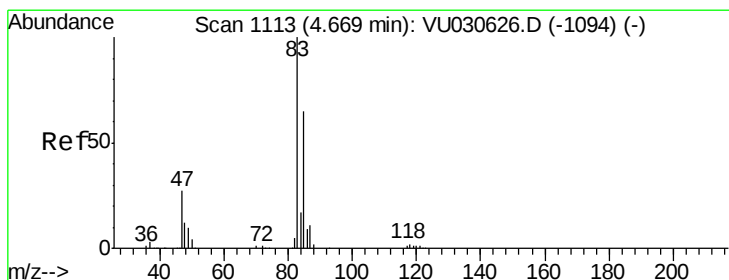
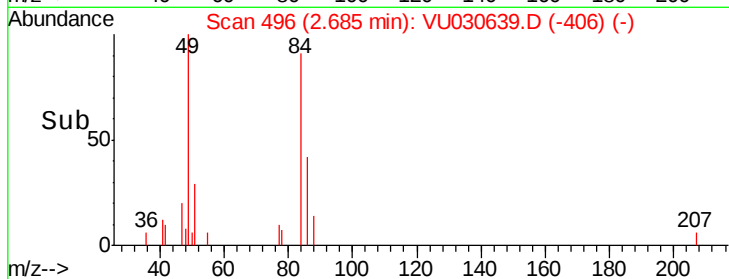
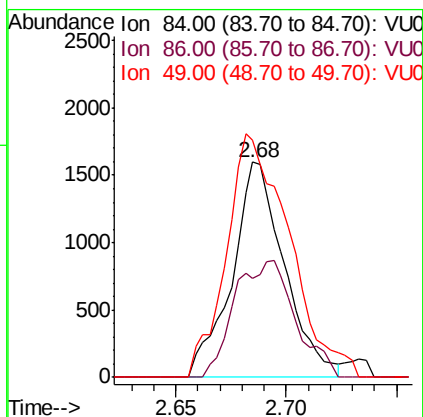
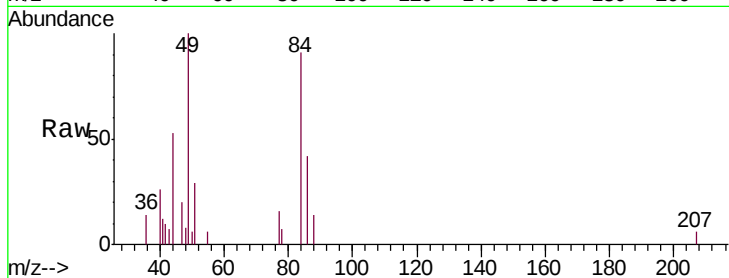




#16  
Methylene chloride  
Concen: 0.653 ug/L  
RT: 2.68 min Scan# 496  
Delta R.T. -0.01 min  
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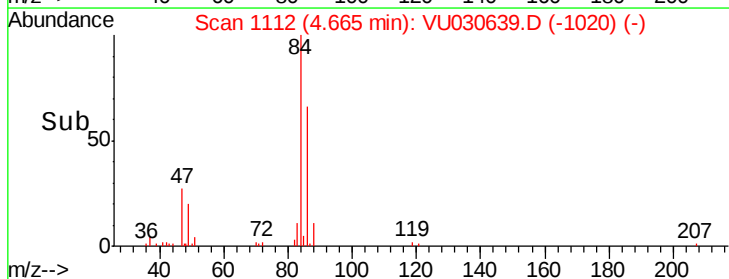
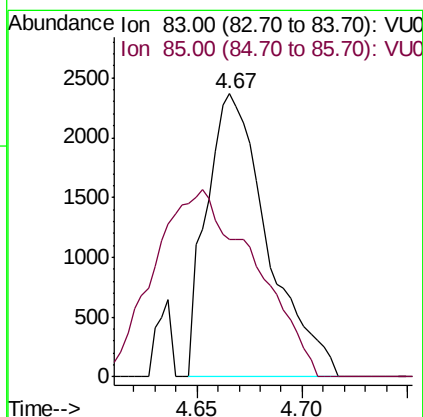
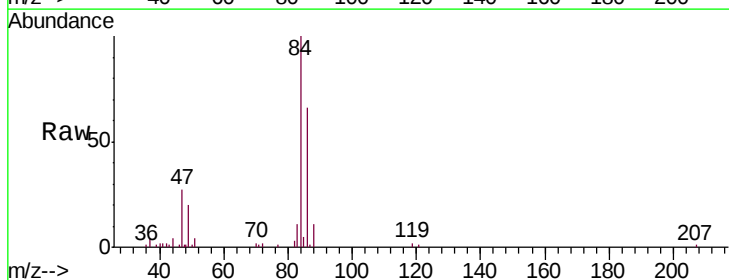
Instrument :  
MSVOA\_U  
ClientSampleId :  
BF103ME

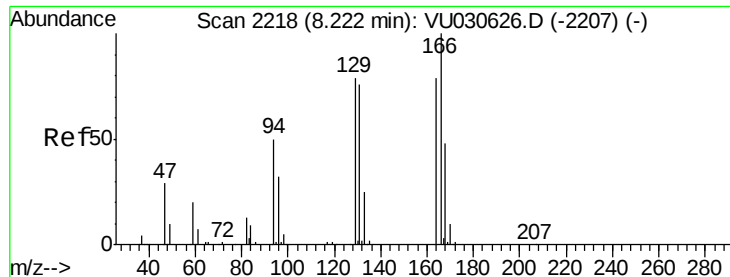
Tgt Ion: 84 Resp: 2630  
Ion Ratio Lower Upper  
84 100  
86 45.9 44.3 82.3  
49 110.1 94.9 176.3



#25  
Chloroform  
Concen: 0.681 ug/L  
RT: 4.67 min Scan# 1112  
Delta R.T. -0.00 min  
Lab File: VU030639.D  
Acq: 03 Apr 2019 19:51

Tgt Ion: 83 Resp: 4759  
Ion Ratio Lower Upper  
83 100  
85 48.7 44.4 82.4





#46

Tetrachloroethene

Concen: 32.111 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030639.D

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Instrument :

MSVOA\_U

ClientSampleId :

BF103ME

Tgt Ion:164 Resp: 86598

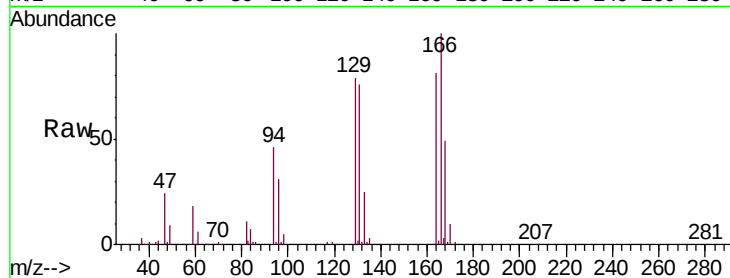
Ion Ratio Lower Upper

164 100

129 97.0 68.1 126.5

131 94.0 67.7 125.7

166 123.5 92.4 171.6

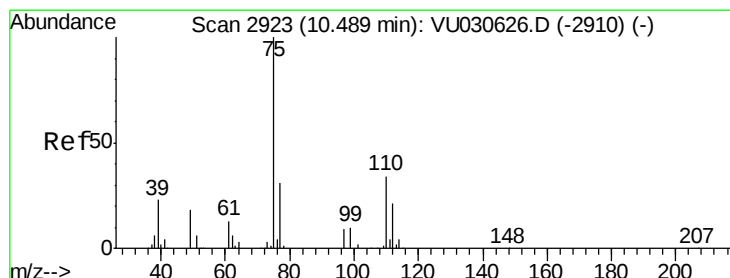
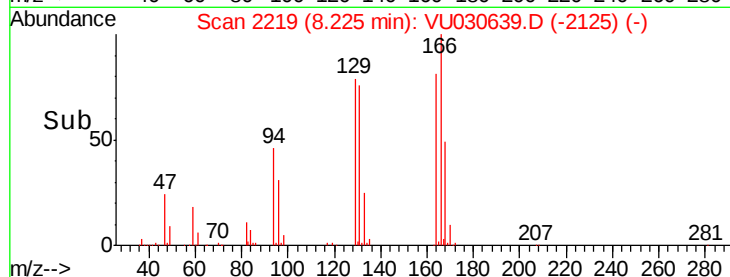
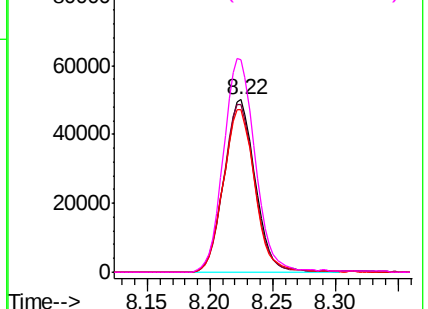


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.337 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030639.D

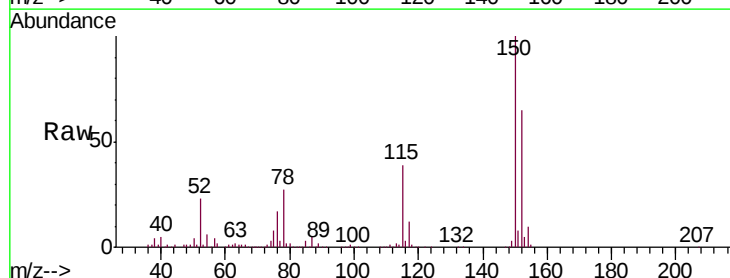
Acq: 03 Apr 2019 19:51

Tgt Ion: 75 Resp: 28955

Ion Ratio Lower Upper

75 100

77 37.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

