

Data File : VV009091.D  
Acq On : 20 Dec 2018 18:16  
Operator : SY/MD  
Sample : J6471-17  
Misc : 4.84 G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9H04RE

Quant Time: Dec 21 00:30:35 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 21 00:25:26 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 185314   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 146804   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 48250    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 45232    | 23.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.36%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 48090    | 33.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 135.76% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 88758    | 18.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.04%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 22006    | 31.52    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 63.04%  |
| 24) Chloroform-d               | 4.40   | 84    | 117014   | 26.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.08% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 68359    | 28.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.48% |
| 29) Benzene-d6                 | 5.10   | 84    | 230878   | 28.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 112.64% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 68823    | 29.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 119.92% |
| 37) Toluene-d8                 | 7.36   | 98    | 195309   | 25.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 102.96% |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 23484    | 23.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.16%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 14016    | 33.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.66%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 42259    | 21.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.80%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 44894    | 24.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.16%  |

#### Target Compounds

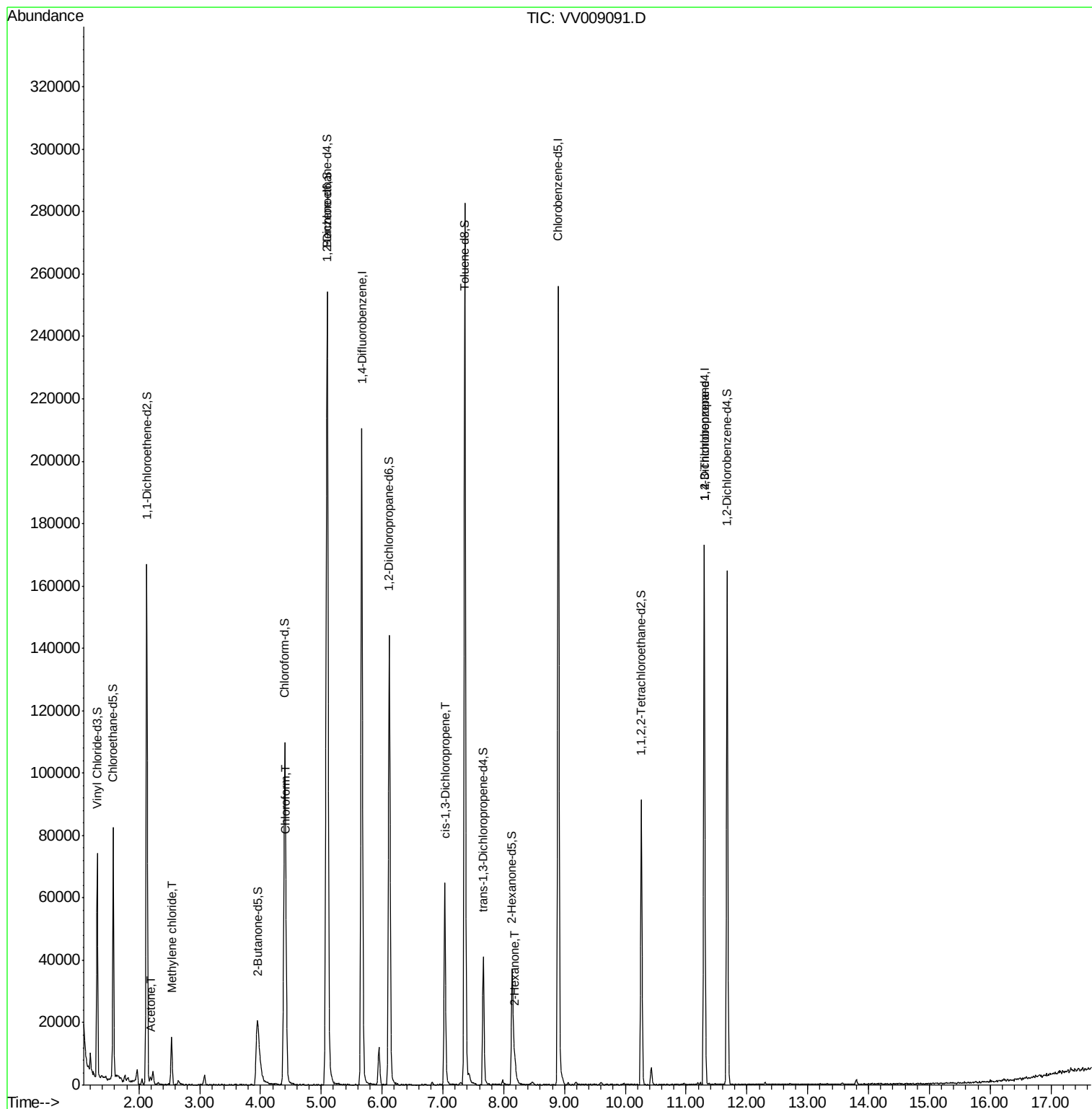
|                             |       |    |      |              | Qvalue |
|-----------------------------|-------|----|------|--------------|--------|
| 13) Acetone                 | 2.20  | 43 | 1707 | 1.659 ug/L   | 82     |
| 16) Methylene chloride      | 2.54  | 84 | 6737 | 2.159 ug/L   | 99     |
| 25) Chloroform              | 4.43  | 83 | 2516 | 0.560 ug/L # | 67     |
| 42) cis-1,3-Dichloropropene | 7.03  | 75 | 1697 | 0.549 ug/L # | 49     |
| 49) 2-Hexanone              | 8.18  | 43 | 4662 | 3.950 ug/L # | 75     |
| 59) 1,2,3-Trichloropropane  | 11.30 | 75 | 5554 | 3.376 ug/L   | 96     |

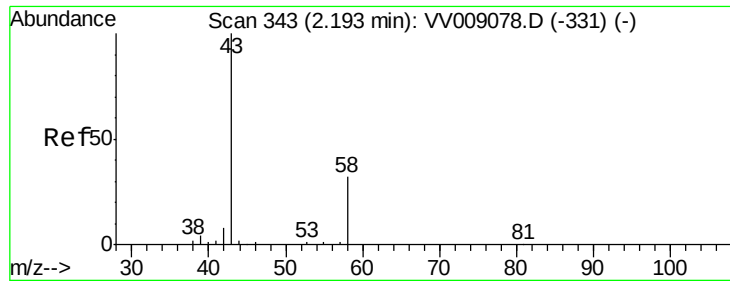
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.659 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV009091.D

Acq: 20 Dec 2018 18:16

Instrument :

MSVOA\_V

ClientSampleId :

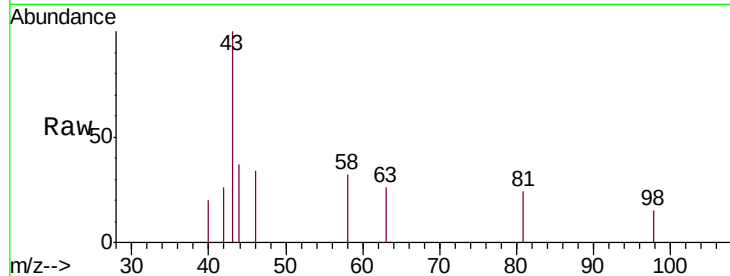
F9H04RE

Tgt Ion: 43 Resp: 1707

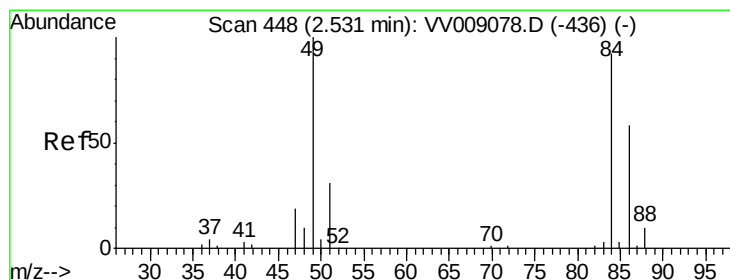
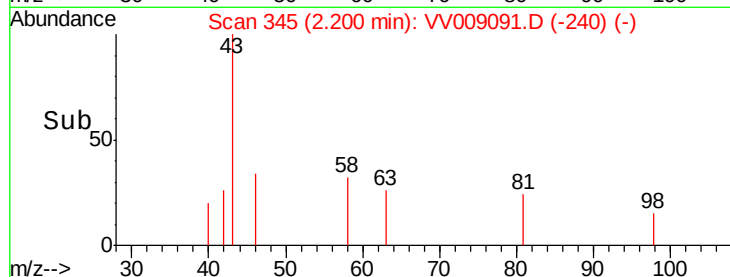
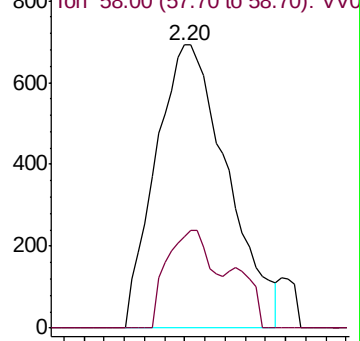
Ion Ratio Lower Upper

43 100

58 22.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009078.D (-331) (-)



#16

Methylene chloride

Concen: 2.159 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV009091.D

Acq: 20 Dec 2018 18:16

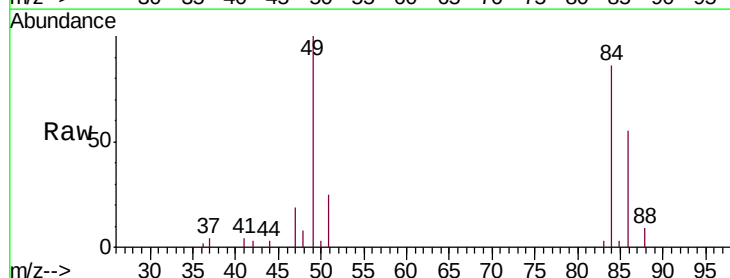
Tgt Ion: 84 Resp: 6737

Ion Ratio Lower Upper

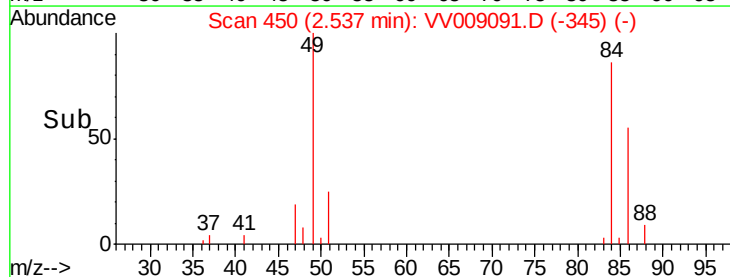
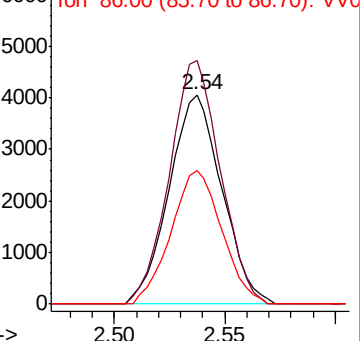
84 100

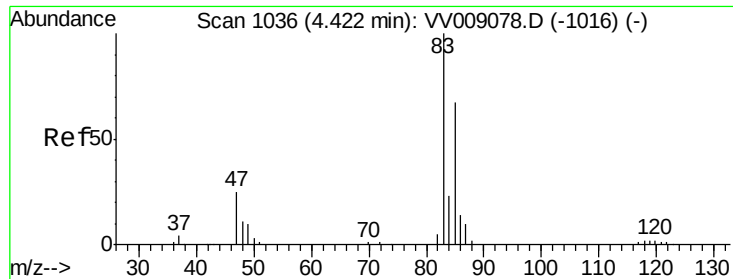
49 116.4 80.5 149.5

86 63.6 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009078.D (-436) (-)

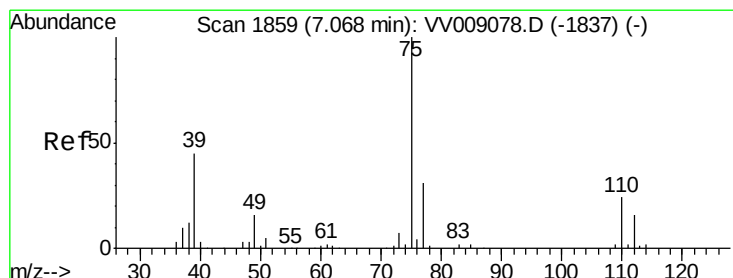
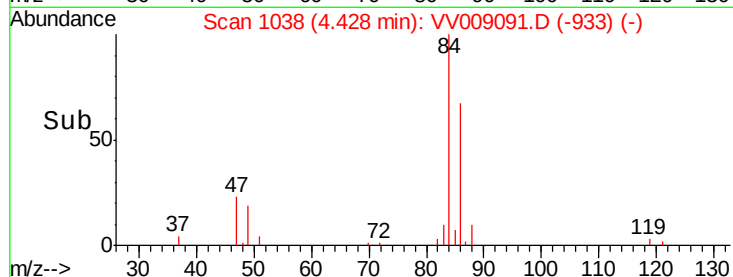
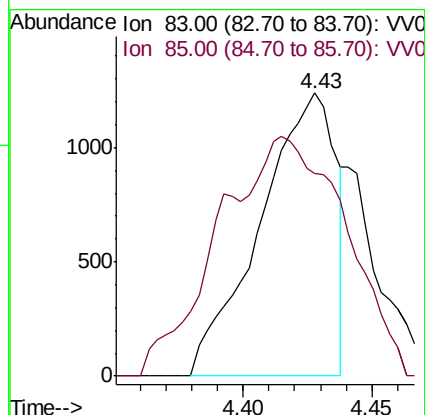
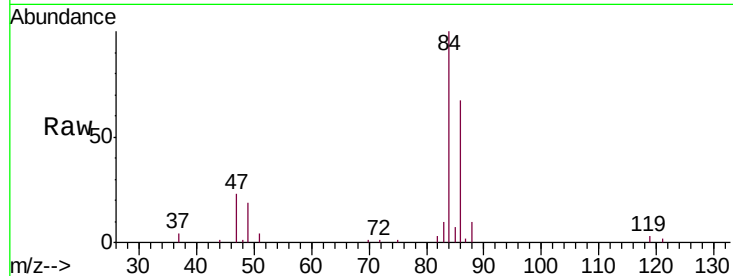




#25  
Chloroform  
Concen: 0.560 ug/L  
RT: 4.43 min Scan# 1038  
Delta R.T. 0.01 min  
Lab File: VV009091.D  
Acq: 20 Dec 2018 18:16

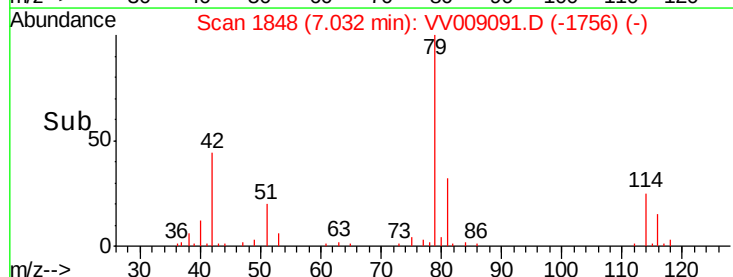
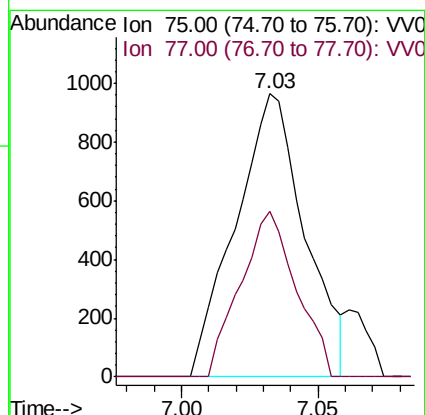
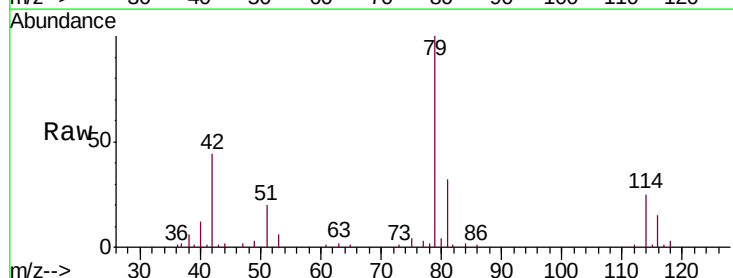
Instrument :  
MSVOA\_V  
ClientSampled :  
F9H04RE

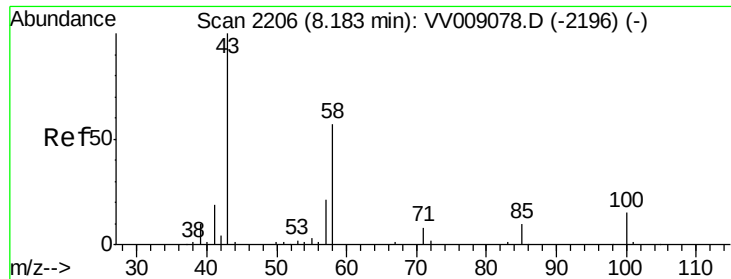
Tgt Ion: 83 Resp: 2516  
Ion Ratio Lower Upper  
83 100  
85 91.1 45.6 84.8#



#42  
cis-1,3-Dichloropropene  
Concen: 0.549 ug/L  
RT: 7.03 min Scan# 1848  
Delta R.T. -0.04 min  
Lab File: VV009091.D  
Acq: 20 Dec 2018 18:16

Tgt Ion: 75 Resp: 1697  
Ion Ratio Lower Upper  
75 100  
77 58.4 21.3 39.6#

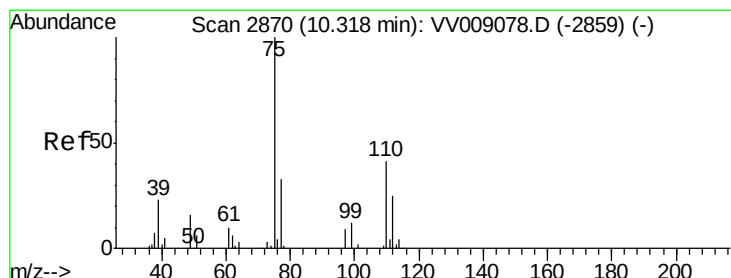
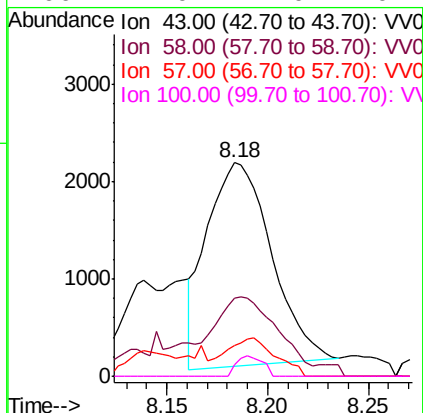
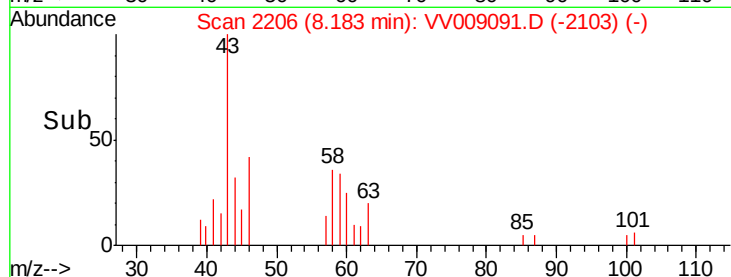
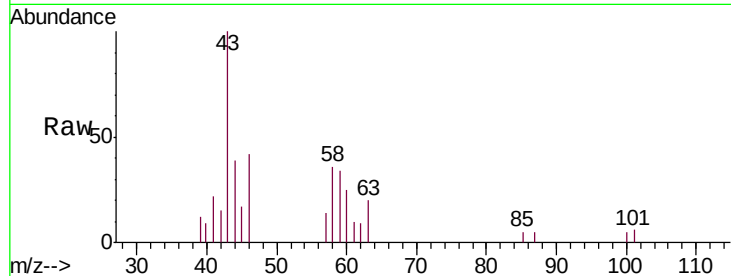




#49  
2-Hexanone  
Concen: 3.950 ug/L  
RT: 8.18 min Scan# 2206  
Delta R.T. -0.00 min  
Lab File: VV009091.D  
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MSVOA\_V  
ClientSampleId :  
F9H04RE

Tgt Ion: 43 Resp: 4662  
Ion Ratio Lower Upper  
43 100  
58 32.7 43.9 65.9#  
57 14.5 15.7 23.5#  
100 4.0 11.0 16.4#



#59  
1,2,3-Trichloropropane  
Concen: 3.376 ug/L  
RT: 11.30 min Scan# 3175  
Delta R.T. 0.98 min  
Lab File: VV009091.D  
Acq: 20 Dec 2018 18:16

Tgt Ion: 75 Resp: 5554  
Ion Ratio Lower Upper  
75 100  
77 34.2 25.6 38.4

