

Data File : VW009181.D  
Acq On : 14 Mar 2019 20:35  
Operator : SY/VA  
Sample : K1794-14  
Misc : 4.06G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF5P1RE

Quant Time: Mar 15 06:57:31 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 15 06:53:55 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 406396   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 344000   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 122118   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 150836   | 31.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 124.24% |
| 7) Chloroethane-d5             | 2.89   | 69    | 141022   | 24.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.28%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 223652   | 21.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 85.24%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 71325    | 35.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 71.02%  |
| 24) Chloroform-d               | 7.64   | 84    | 282141   | 25.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.76% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 165195   | 24.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.92%  |
| 29) Benzene-d6                 | 8.27   | 84    | 540672   | 28.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 114.00% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 161965   | 28.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 113.68% |
| 37) Toluene-d8                 | 10.32  | 98    | 470868   | 26.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 107.36% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 64411    | 22.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.04%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 54854    | 39.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.50%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 130275   | 23.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 92.84%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 121146   | 25.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.48% |

#### Target Compounds

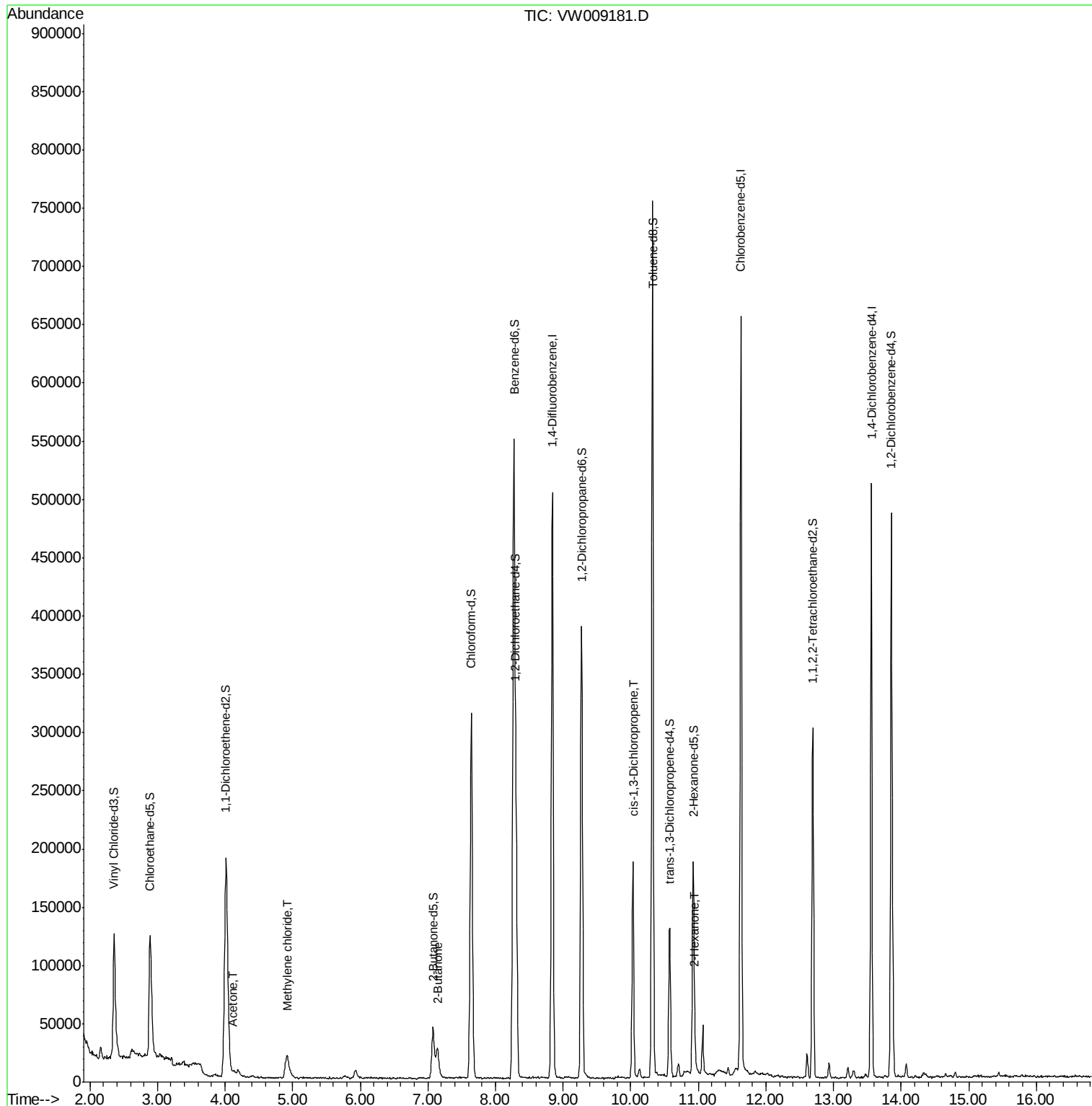
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.12  | 43 | 5361  | 3.255 ug/L   | 85     |
| 16) Methylene chloride      | 4.92  | 84 | 17678 | 2.983 ug/L   | 88     |
| 21) 2-Butanone              | 7.14  | 43 | 8622  | 3.791 ug/L # | 54     |
| 42) cis-1,3-Dichloropropene | 10.03 | 75 | 5271  | 0.670 ug/L # | 51     |
| 49) 2-Hexanone              | 10.95 | 43 | 8930  | 2.896 ug/L # | 48     |

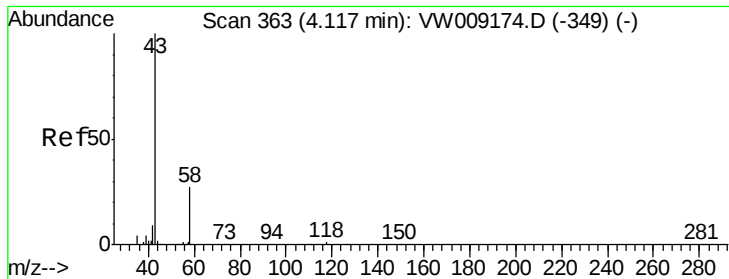
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.255 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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Acq: 14 Mar 2019 20:35

Instrument :

MSVOA\_W

ClientSampleId :

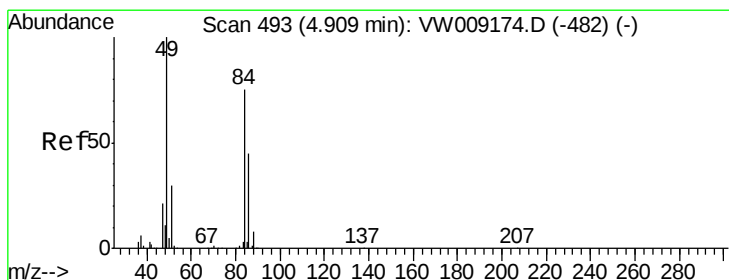
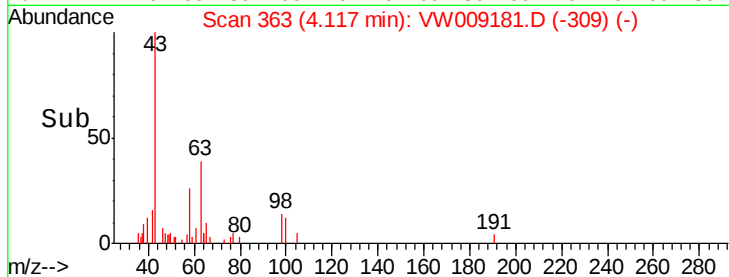
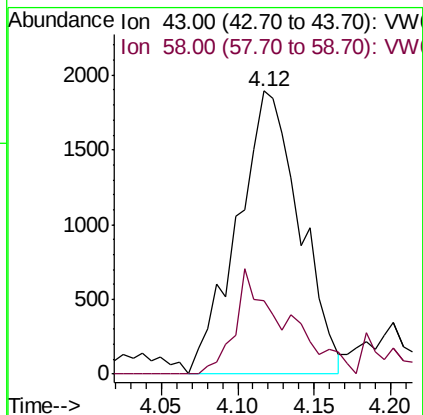
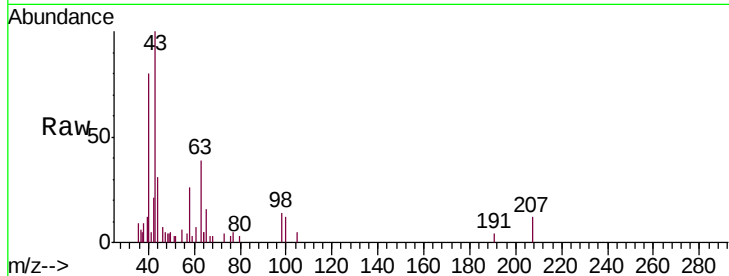
BF5P1RE

Tgt Ion: 43 Resp: 5361

Ion Ratio Lower Upper

43 100

58 20.3 0.0 56.2



#16

Methylene chloride

Concen: 2.983 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009181.D

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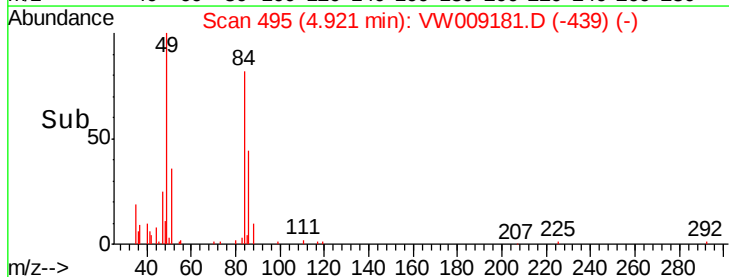
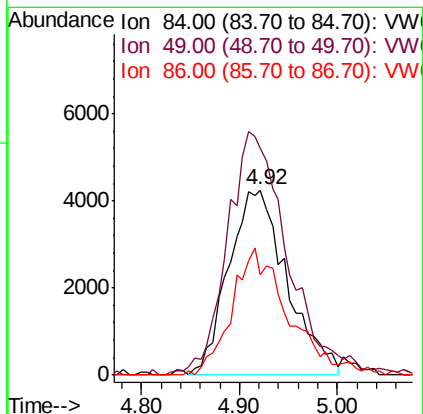
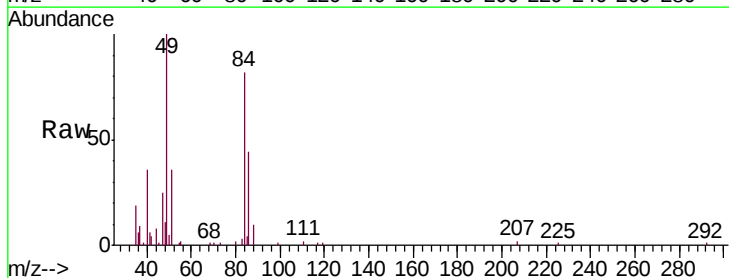
Tgt Ion: 84 Resp: 17678

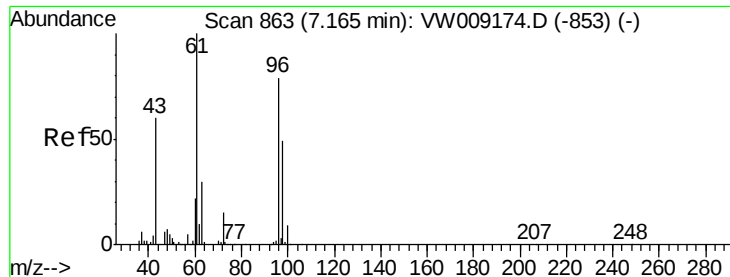
Ion Ratio Lower Upper

84 100

49 122.7 96.0 178.2

86 54.0 44.4 82.5





#21

2-Butanone

Concen: 3.791 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

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Instrument :

MSVOA\_W

ClientSampleId :

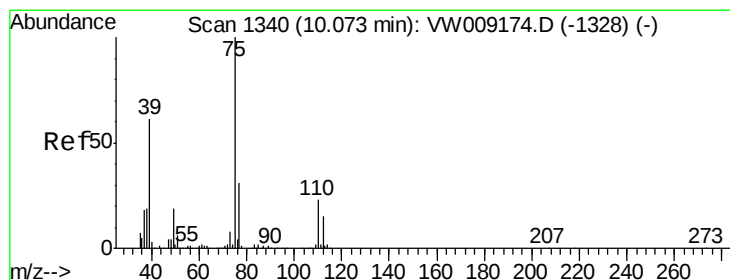
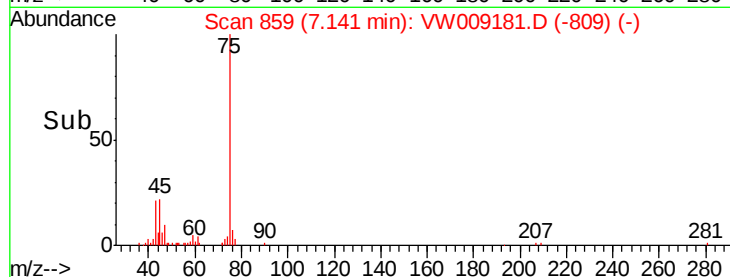
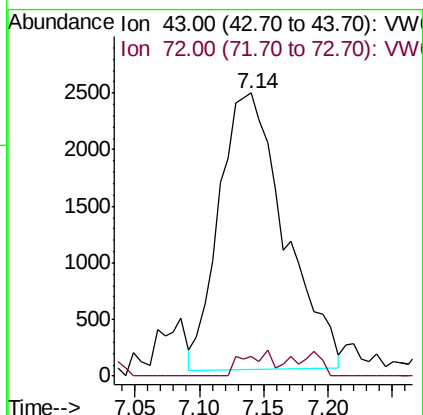
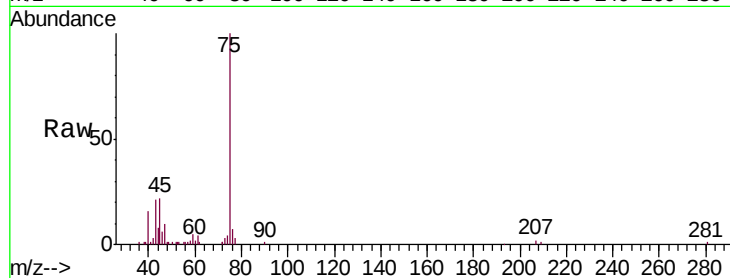
BF5P1RE

Tgt Ion: 43 Resp: 8622

Ion Ratio Lower Upper

43 100

72 2.7 13.1 39.1#



#42

cis-1,3-Dichloropropene

Concen: 0.670 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009181.D

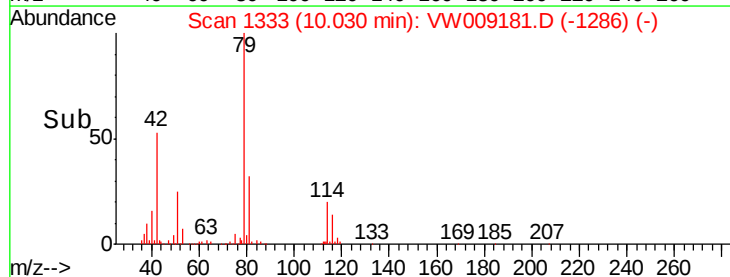
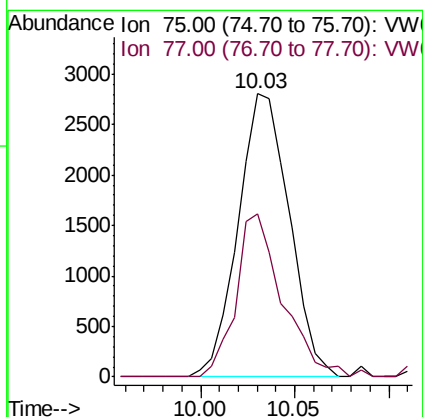
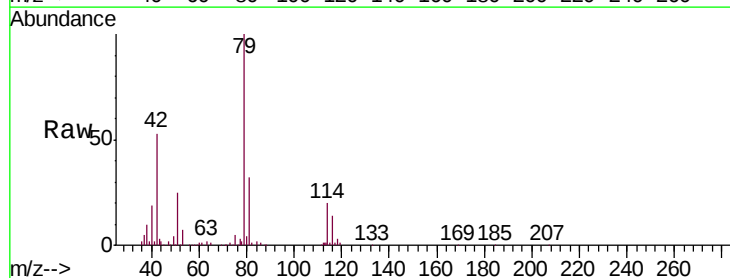
Acq: 14 Mar 2019 20:35

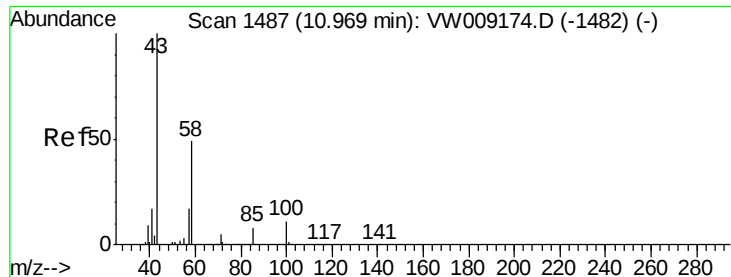
Tgt Ion: 75 Resp: 5271

Ion Ratio Lower Upper

75 100

77 57.8 21.6 40.2#





#49

2-Hexanone

Concen: 2.896 ug/L

RT: 10.95 min Scan# 1484

Delta R.T. -0.02 min

Lab File: VW009181.D

Acq: 14 Mar 2019 20:35

Instrument :

MSVOA\_W

ClientSampleId :

BF5P1RE

Tgt Ion: 43 Resp: 8930

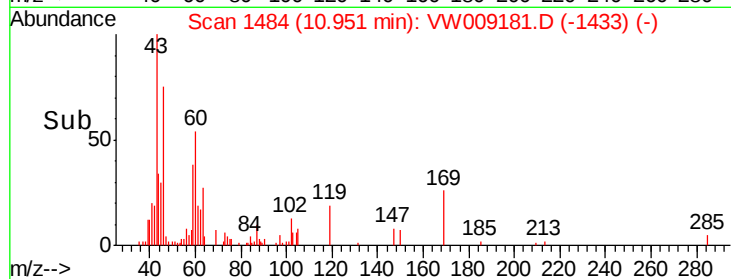
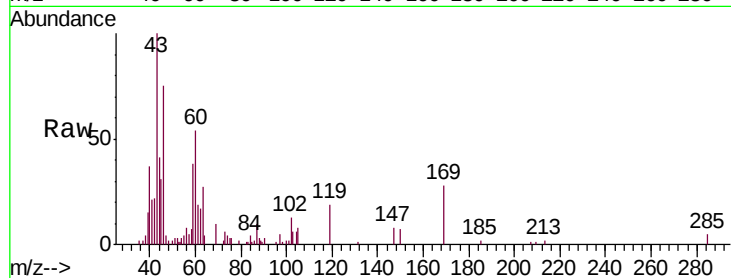
Ion Ratio Lower Upper

43 100

58 3.4 39.2 58.8#

57 2.5 14.2 21.2#

100 4.8 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

