

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
 Data File : VW009462.D  
 Acq On : 26 Mar 2019 13:07  
 Operator : SY/VA  
 Sample : K2065-10  
 Misc : 6.37G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 27 01:32:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 27 01:27:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 411794   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 372553   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 156476   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 98069    | 19.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.72% |
| 7) Chloroethane-d5             | 2.89   | 69    | 108888   | 18.91    | ug/L | 0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.64% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 164090   | 15.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.72% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 75143    | 36.92    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.84% |
| 24) Chloroform-d               | 7.64   | 84    | 257832   | 22.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.76% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 147402   | 21.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 87.08% |
| 29) Benzene-d6                 | 8.27   | 84    | 456070   | 22.20    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.80% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 146654   | 23.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.08% |
| 37) Toluene-d8                 | 10.32  | 98    | 395640   | 20.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 83.32% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 57859    | 18.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.68% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 54801    | 36.67    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.34% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 121710   | 20.03    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 80.12% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 142399   | 23.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.92% |

## Target Compounds

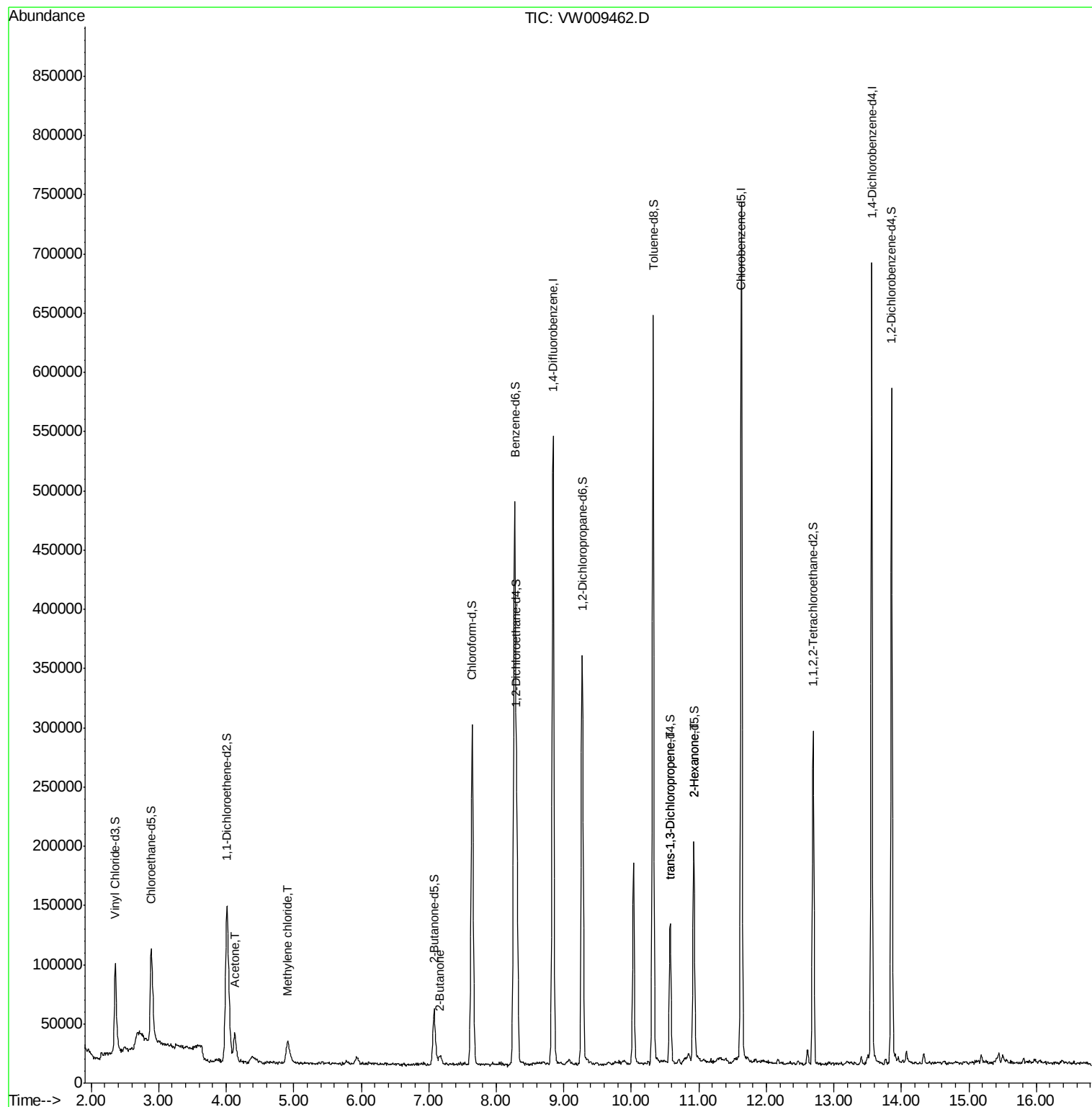
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.13  | 43 | 41255 | 24.720 ug/L  | 98     |
| 16) Methylene chloride        | 4.92  | 84 | 12491 | 2.080 ug/L   | 91     |
| 21) 2-Butanone                | 7.17  | 43 | 4386  | 1.903 ug/L # | 53     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75 | 3109  | 0.419 ug/L   | 97     |
| 49) 2-Hexanone                | 10.93 | 43 | 8591  | 2.573 ug/L # | 69     |

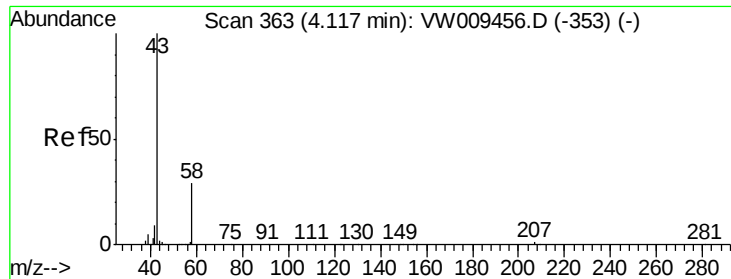
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
Data File : VW009462.D  
Acq On : 26 Mar 2019 13:07  
Operator : SY/VA  
Sample : K2065-10  
Misc : 6.37G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Mar 27 01:32:51 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Mar 27 01:27:49 2019  
Response via : Initial Calibration

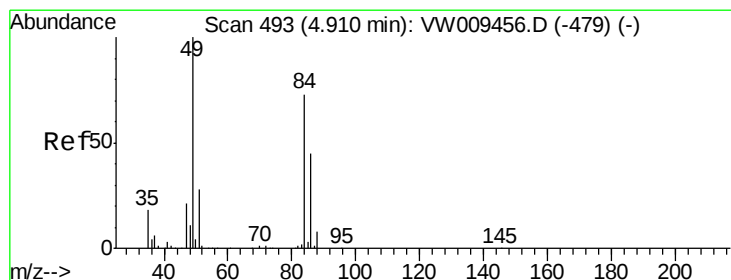
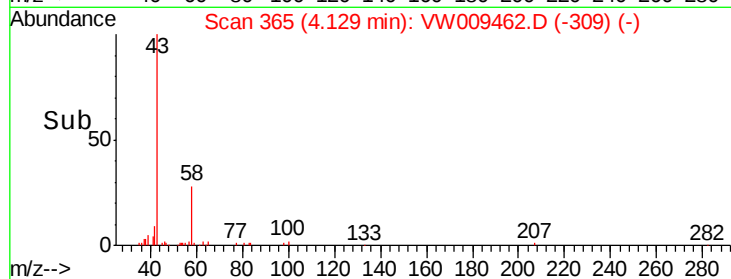
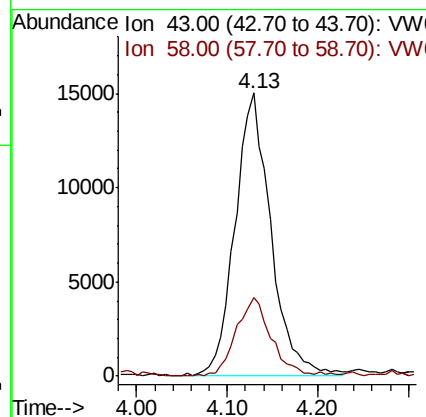
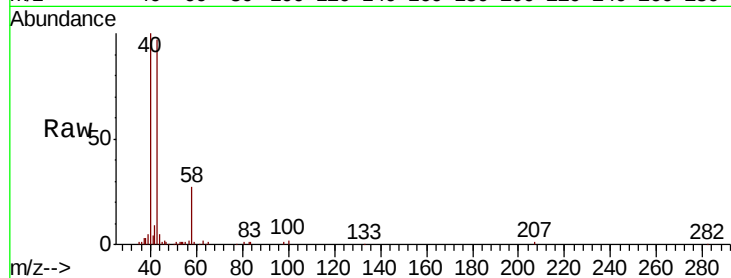




#13  
Acetone  
Concen: 24.720 ug/L  
RT: 4.13 min Scan# 365  
Delta R.T. 0.01 min  
Lab File: VW009462.D  
Acq: 26 Mar 2019 13:07

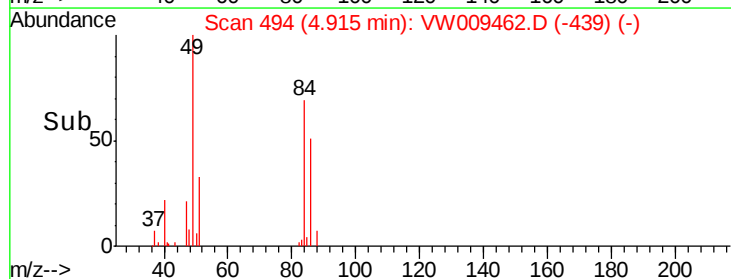
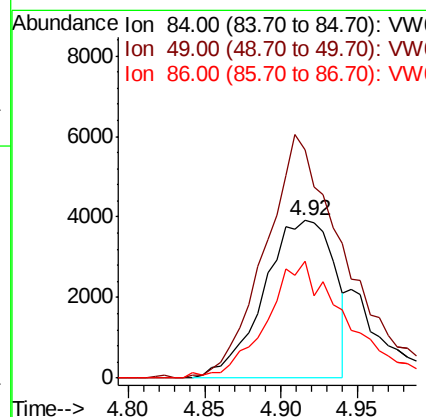
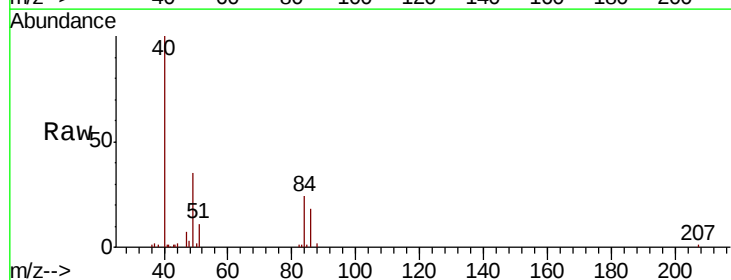
Instrument :  
MSVOA\_W  
ClientSampleId :

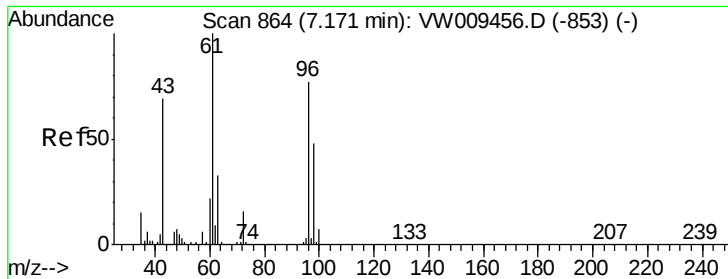
Tot Ion: 43 Resp: 41255  
Ion Ratio Lower Upper  
43 100  
58 26.8 0.0 56.2



#16  
Methylene chloride  
Concen: 2.080 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW009462.D  
Acq: 26 Mar 2019 13:07

Tgt Ion: 84 Resp: 12491  
Ion Ratio Lower Upper  
84 100  
49 145.5 96.0 178.2  
86 74.0 44.4 82.5





#21

2-Butanone

Concen: 1.903 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009462.D

Acq: 26 Mar 2019 13:07

Instrument :

MSVOA\_W

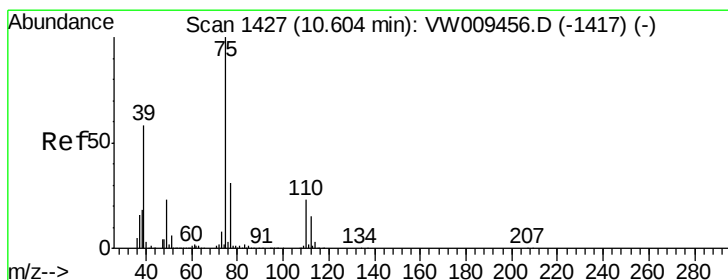
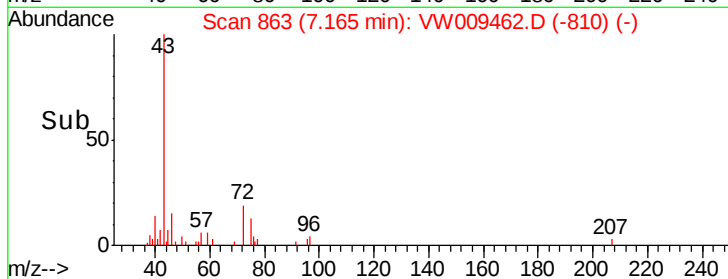
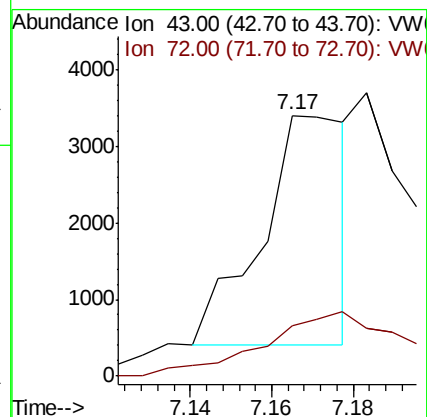
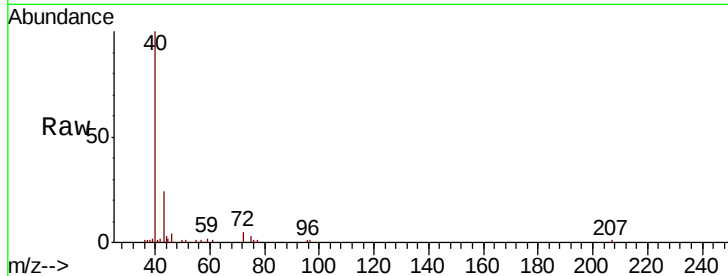
ClientSampled :

Tot Ion: 43 Resp: 4386

Ion Ratio Lower Upper

43 100

72 50.2 13.1 39.1#



#45

trans-1,3-Dichloropropene

Concen: 0.419 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009462.D

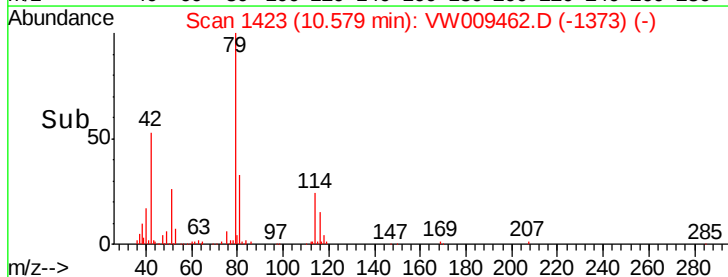
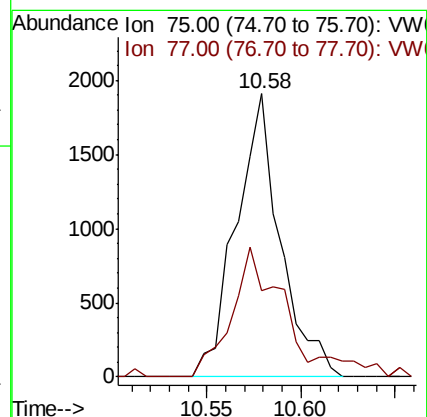
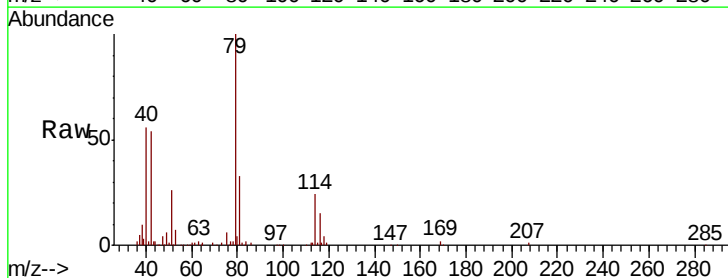
Acq: 26 Mar 2019 13:07

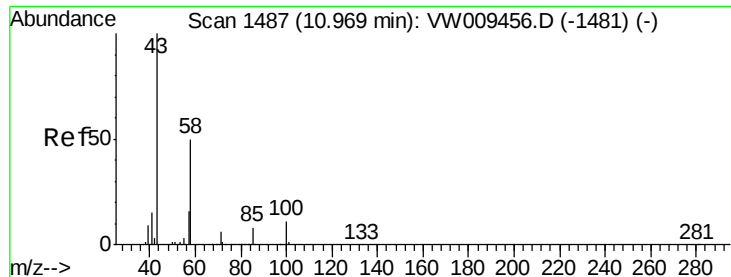
Tgt Ion: 75 Resp: 3109

Ion Ratio Lower Upper

75 100

77 30.5 22.5 41.7





#49

2-Hexanone

Concen: 2.573 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009462.D

Acq: 26 Mar 2019 13:07

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 43 Resp: 8591

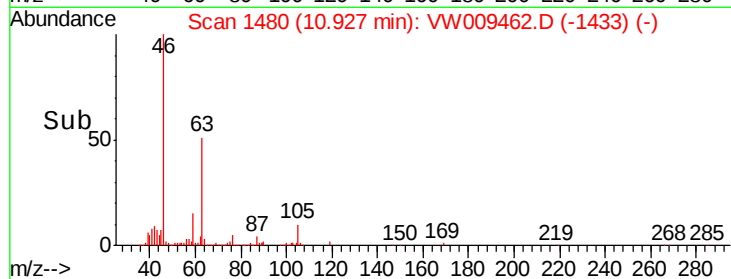
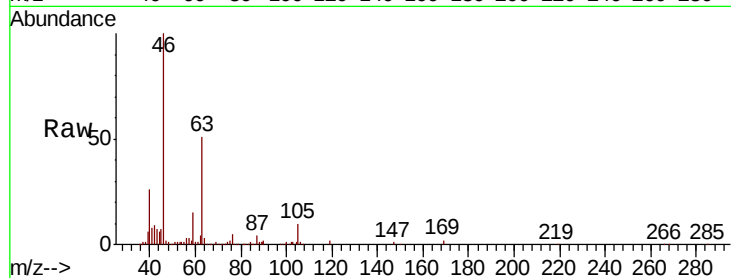
Ion Ratio Lower Upper

43 100

58 26.6 39.2 58.8#

57 32.3 14.2 21.2#

100 4.3 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

