

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
 Data File : VW009464.D  
 Acq On : 26 Mar 2019 14:02  
 Operator : SY/VA  
 Sample : K2065-12  
 Misc : 4.93G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 27 01:33:06 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  | 370712   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 337127   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 130765   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 86792    | 19.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.36% |
| 7) Chloroethane-d5             | 2.89   | 69    | 97265    | 18.76    | ug/L | 0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.04% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 143261   | 14.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 59.84% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 61675    | 33.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 67.32% |
| 24) Chloroform-d               | 7.65   | 84    | 228294   | 22.57    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.28% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 137535   | 22.57    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.28% |
| 29) Benzene-d6                 | 8.27   | 84    | 398374   | 21.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.72% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 131503   | 23.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.20% |
| 37) Toluene-d8                 | 10.32  | 98    | 335302   | 19.50    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 78.00% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 49372    | 17.60    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 70.40% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 45093    | 33.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.68% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 118251   | 21.50    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 86.00% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 112542   | 22.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.76% |

## Target Compounds

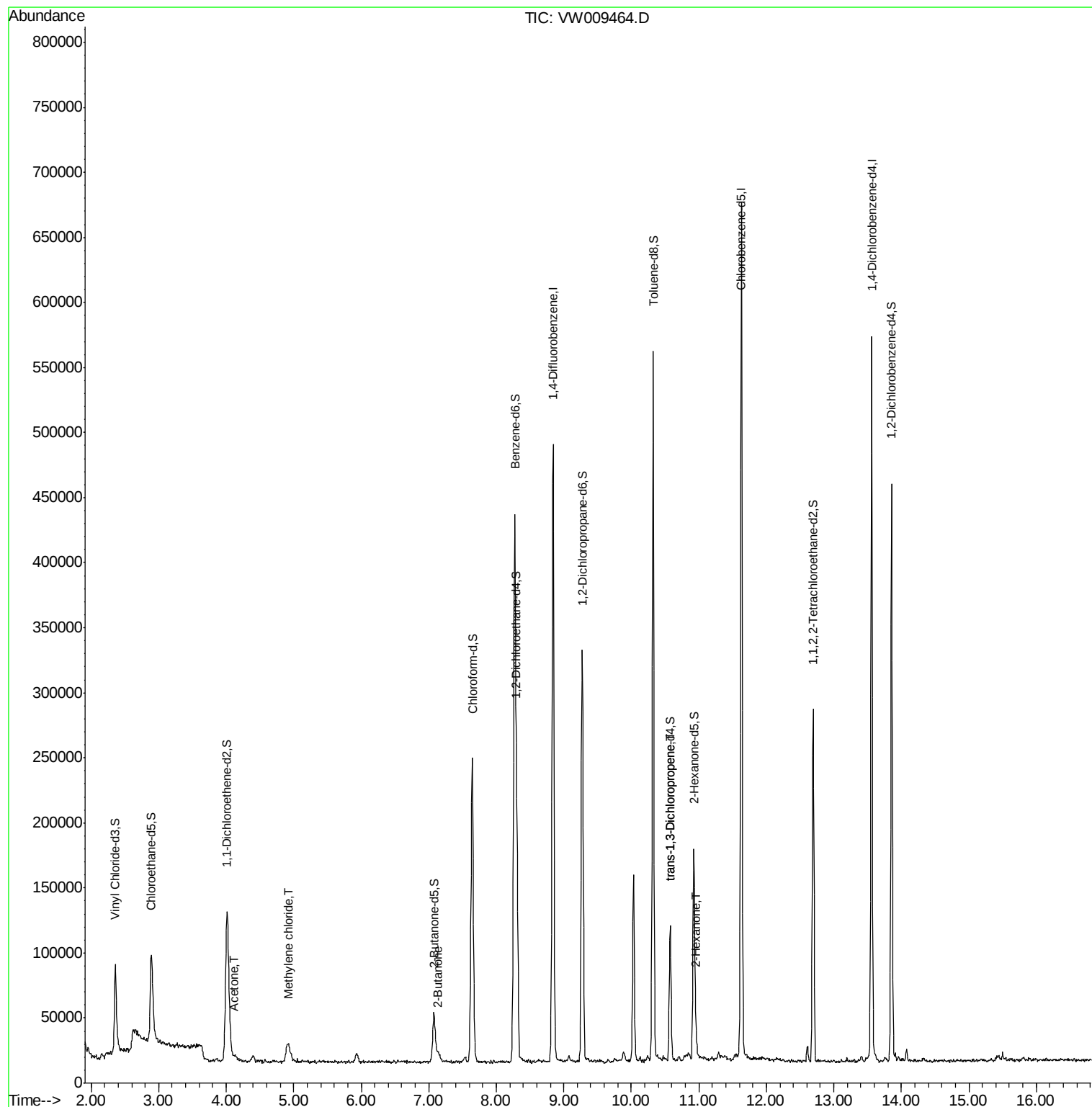
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.12  | 43 | 2470  | 1.644 ug/L   | 98     |
| 16) Methylene chloride        | 4.92  | 84 | 8120  | 1.502 ug/L   | 90     |
| 21) 2-Butanone                | 7.14  | 43 | 4952  | 2.387 ug/L # | 50     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75 | 3218  | 0.480 ug/L   | 96     |
| 49) 2-Hexanone                | 10.96 | 43 | 11770 | 3.895 ug/L # | 44     |

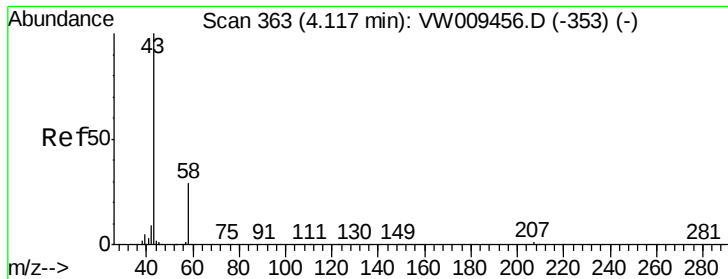
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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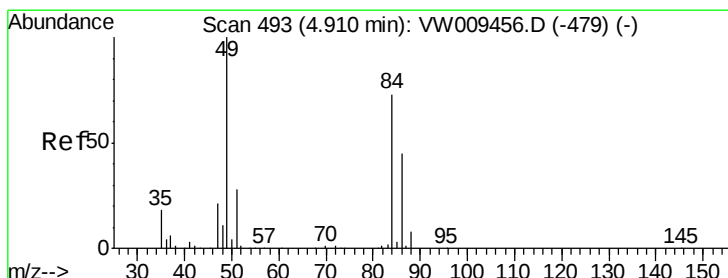
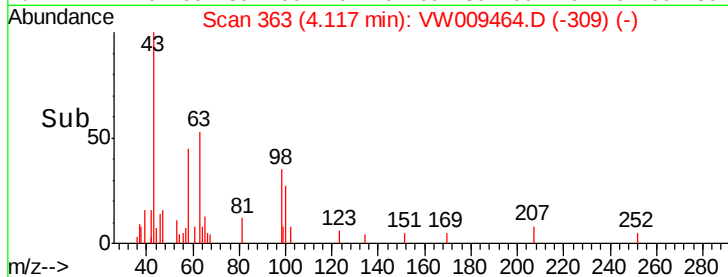
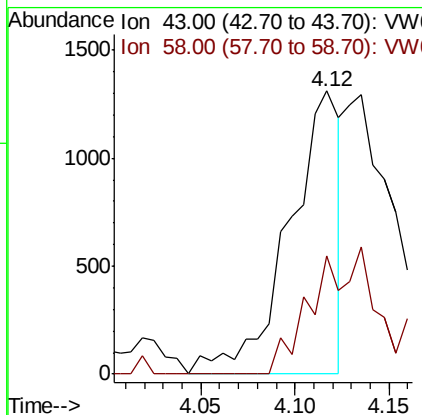
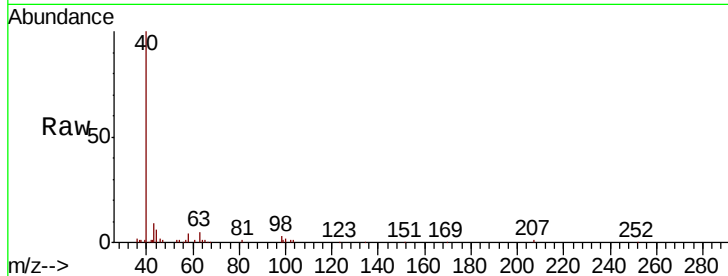




#13  
Acetone  
Concen: 1.644 ug/L  
RT: 4.12 min Scan# 363  
Delta R.T. -0.00 min  
Lab File: VW009464.D  
Acq: 26 Mar 2019 14:02

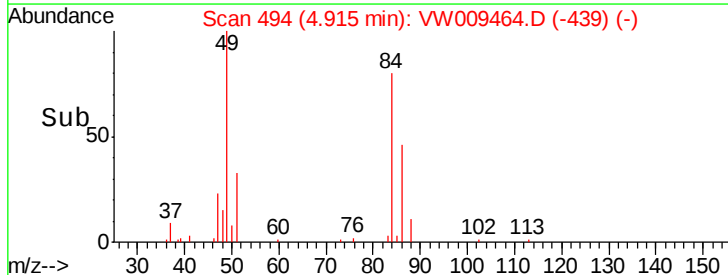
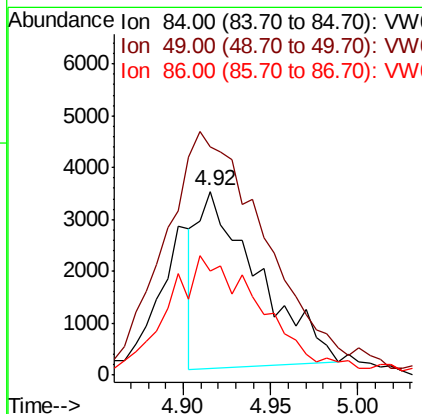
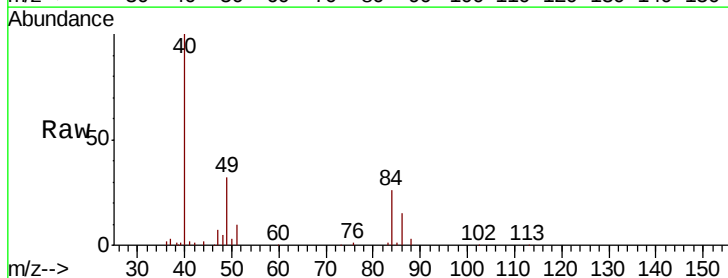
Instrument :  
MSVOA\_W  
ClientSampled :

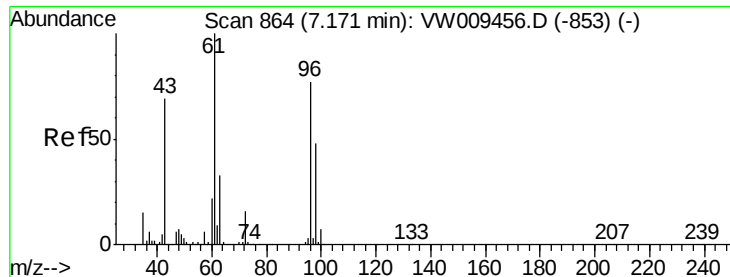
Tot Ion: 43 Resp: 2470  
Ion Ratio Lower Upper  
43 100  
58 27.0 0.0 56.2



#16  
Methylene chloride  
Concen: 1.502 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW009464.D  
Acq: 26 Mar 2019 14:02

Tgt Ion: 84 Resp: 8120  
Ion Ratio Lower Upper  
84 100  
49 124.3 96.0 178.2  
86 57.0 44.4 82.5





#21

2-Butanone

Concen: 2.387 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW009464.D

Acq: 26 Mar 2019 14:02

Instrument :

MSVOA\_W

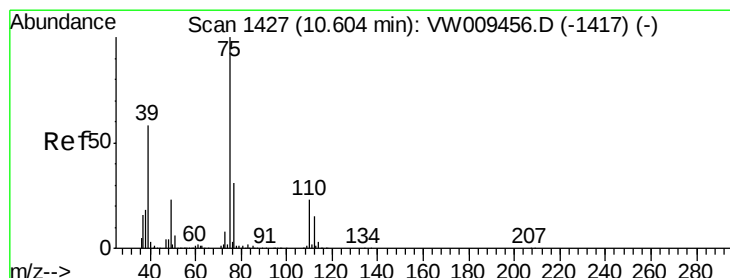
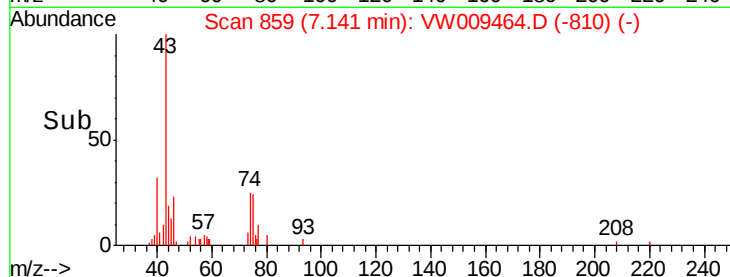
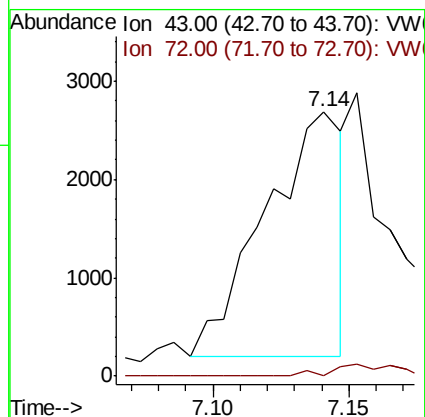
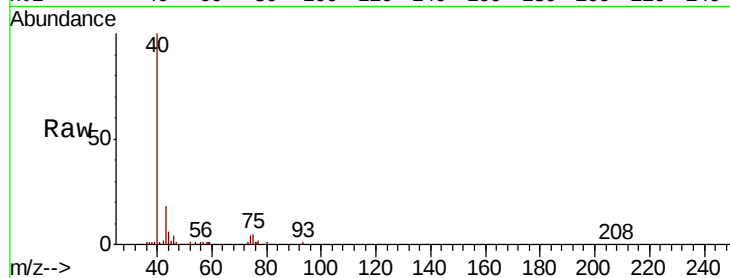
ClientSampleId :

Tot Ion: 43 Resp: 4952

Ion Ratio Lower Upper

43 100

72 0.4 13.1 39.1#



#45

trans-1,3-Dichloropropene

Concen: 0.480 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009464.D

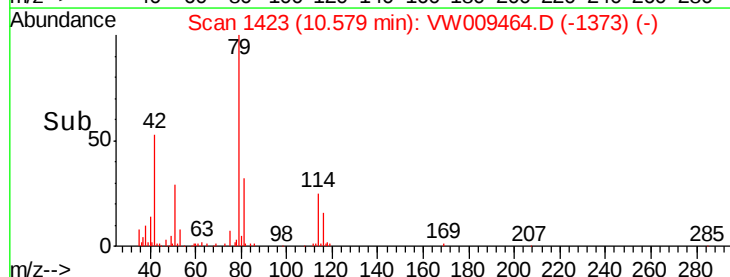
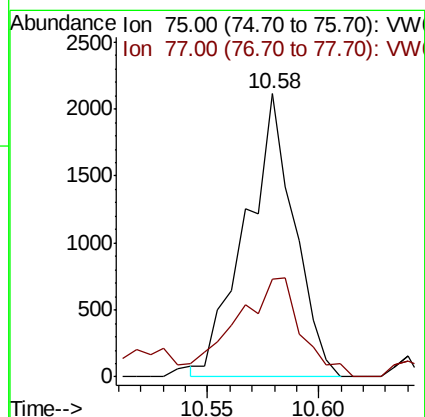
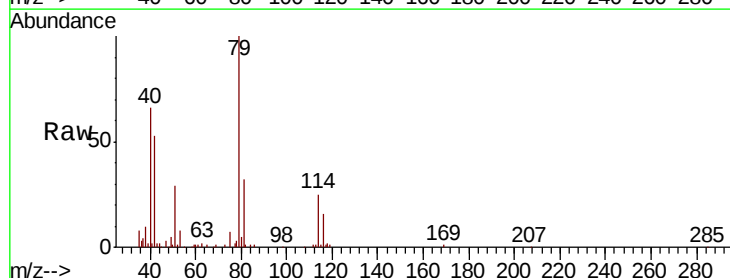
Acq: 26 Mar 2019 14:02

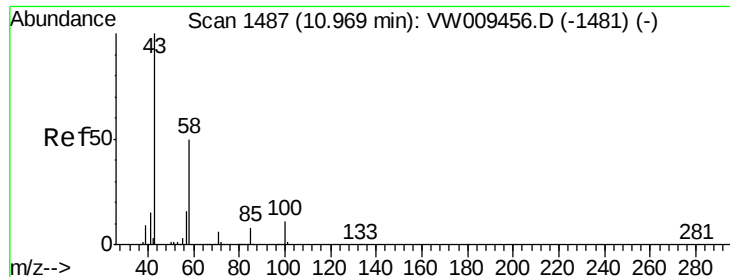
Tgt Ion: 75 Resp: 3218

Ion Ratio Lower Upper

75 100

77 34.4 22.5 41.7





#49

2-Hexanone

Concen: 3.895 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW009464.D

Acq: 26 Mar 2019 14:02

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 43 Resp: 11770

Ion Ratio Lower Upper

43 100

58 0.0 39.2 58.8#

57 4.4 14.2 21.2#

100 1.8 8.9 13.3#

