

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\  
 Data File : VV010206.D  
 Acq On : 09 Apr 2019 05:53  
 Operator : SY/MD  
 Sample : K2254-10  
 Misc : 6.26G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFC66

Quant Time: Apr 09 07:40:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 09 07:35:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 269595   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 227688   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 80418    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 64385    | 17.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.36%  |
| 7) Chloroethane-d5             | 1.56   | 69    | 68108    | 15.19    | ug/L | -0.02   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 60.76%  |
| 10) 1,1-Dichloroethene-d2      | 2.11   | 63    | 119652   | 13.14    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 52.56%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 36125    | 35.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.34%  |
| 24) Chloroform-d               | 4.39   | 84    | 154022   | 22.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.72%  |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 99776    | 26.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.04% |
| 29) Benzene-d6                 | 5.09   | 84    | 317045   | 26.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 107.40% |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 96675    | 27.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.96% |
| 37) Toluene-d8                 | 7.36   | 98    | 269765   | 23.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.84%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 30054    | 20.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.72%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 25480    | 36.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.92%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 83782    | 24.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 97.52%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 77732    | 24.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.24%  |

## Target Compounds

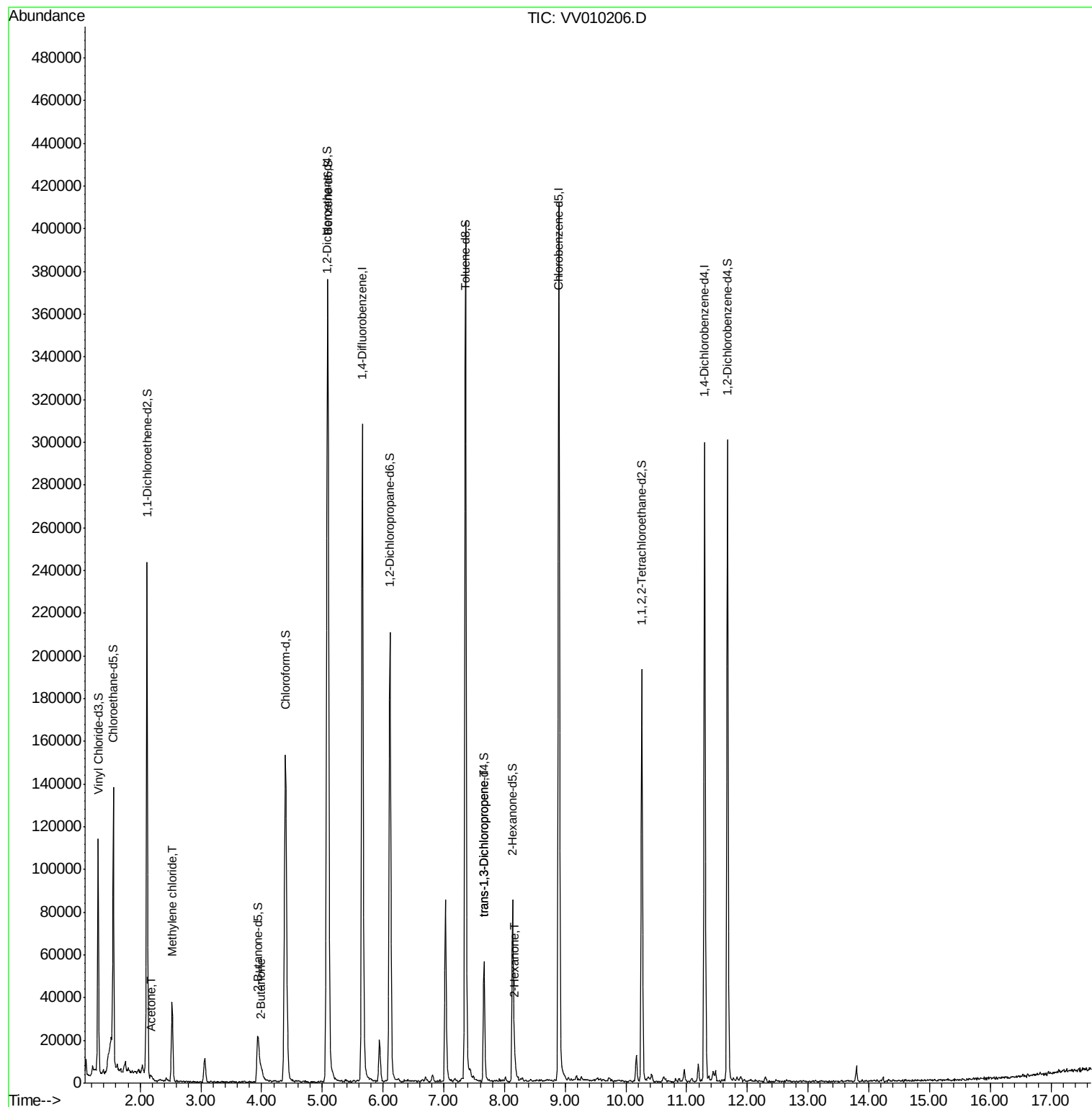
|                               |      |    |       |              | Ovalue |
|-------------------------------|------|----|-------|--------------|--------|
| 13) Acetone                   | 2.19 | 43 | 691   | 0.681 ug/L   | 56     |
| 16) Methylene chloride        | 2.53 | 84 | 16096 | 3.398 ug/L   | 95     |
| 21) 2-Butanone                | 3.99 | 43 | 2785  | 2.504 ug/L # | 49     |
| 45) trans-1,3-Dichloropropene | 7.66 | 75 | 1777  | 0.513 ug/L   | 98     |
| 49) 2-Hexanone                | 8.17 | 43 | 4626  | 3.112 ug/L # | 41     |

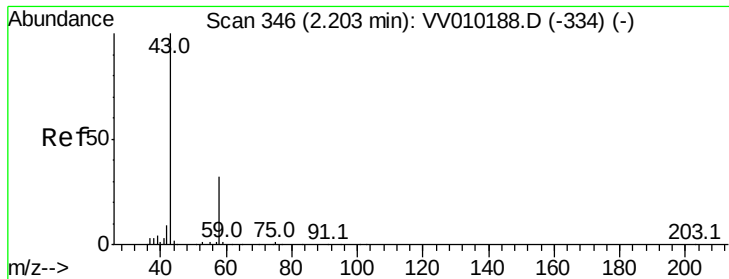
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K2254-10  
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Quant Title : VOC Analysis  
QLast Update : Tue Apr 09 07:35:38 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 0.681 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV010206.D

Acq: 09 Apr 2019 05:53

Instrument :

MSVOA\_V

ClientSampleId :

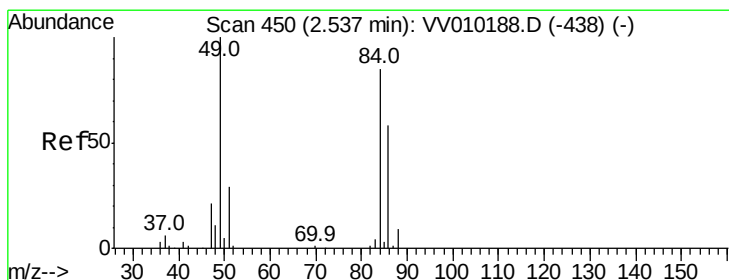
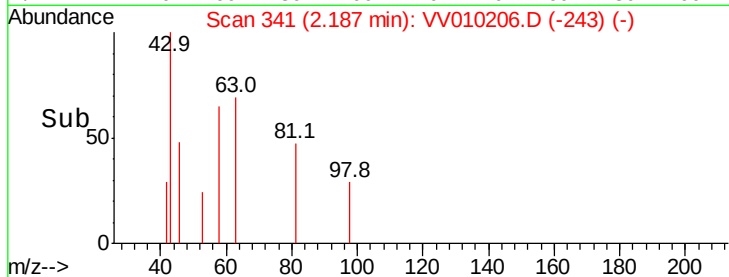
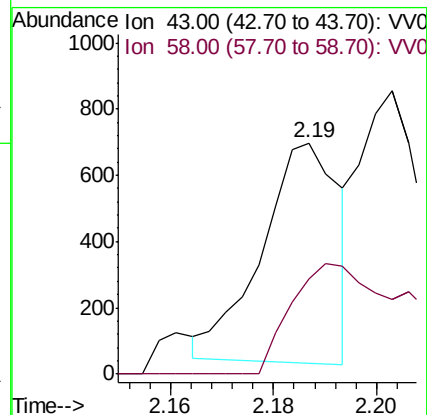
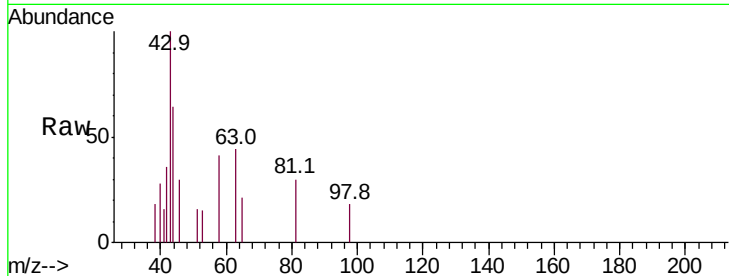
BFC66

Tot Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

58 56.9 0.0 64.6



#16

Methylene chloride

Concen: 3.398 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.01 min

Lab File: VV010206.D

Acq: 09 Apr 2019 05:53

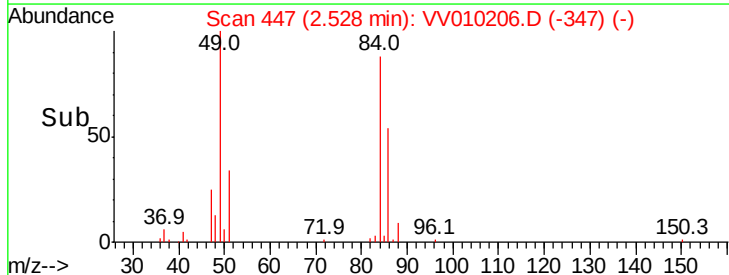
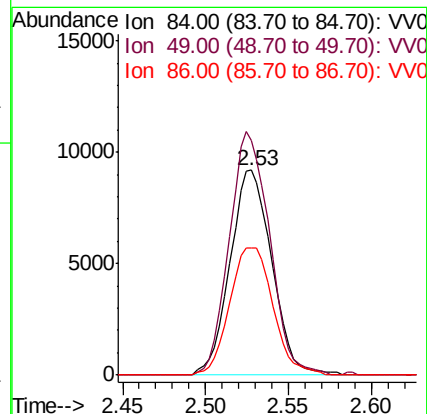
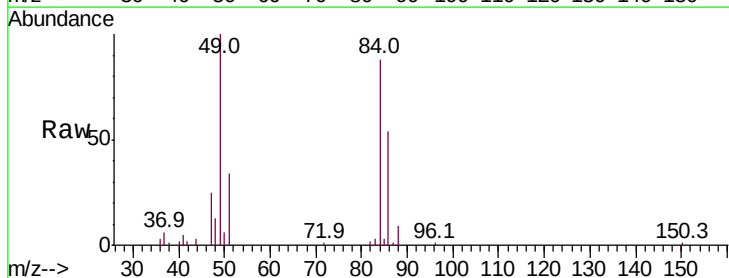
Tgt Ion: 84 Resp: 16096

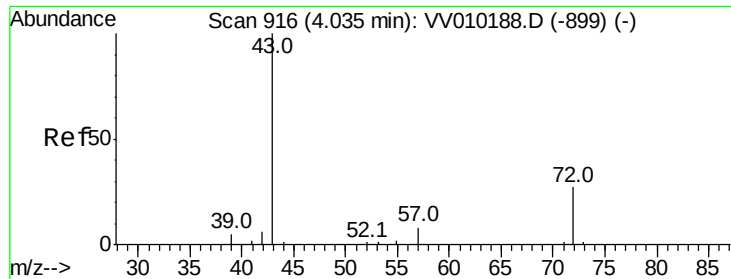
Ion Ratio Lower Upper

84 100

49 114.2 84.3 156.5

86 62.3 45.4 84.2





#21

2-Butanone

Concen: 2.504 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.04 min

Lab File: VV010206.D

Acq: 09 Apr 2019 05:53

Instrument :

MSVOA\_V

ClientSampled :

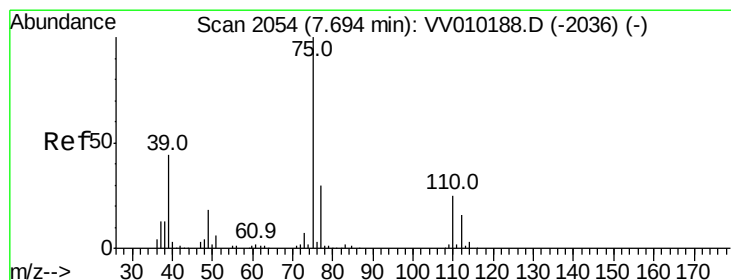
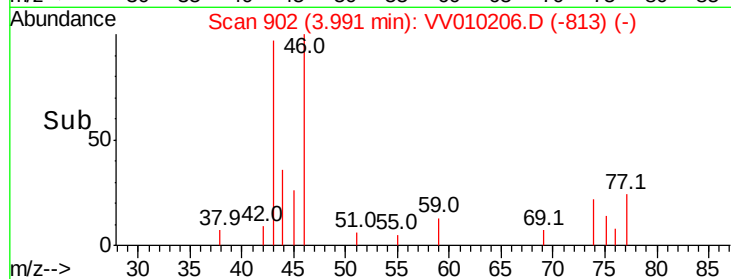
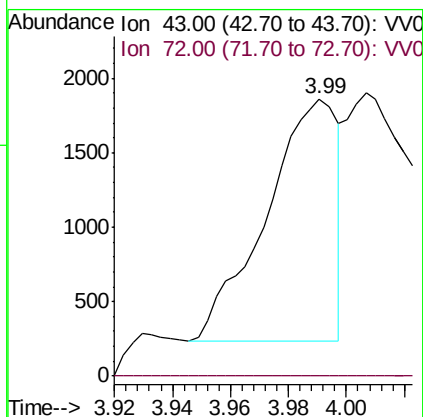
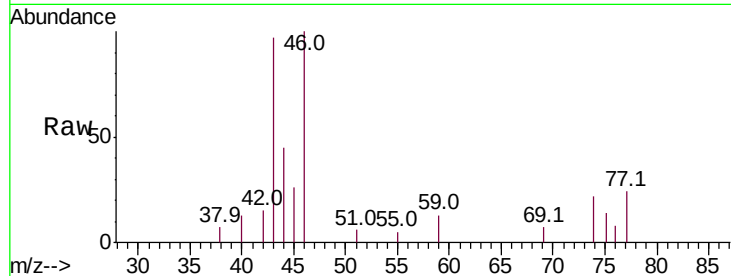
BFC66

Tot Ion: 43 Resp: 2785

Ion Ratio Lower Upper

43 100

72 0.0 12.8 38.4#



#45

trans-1,3-Dichloropropene

Concen: 0.513 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV010206.D

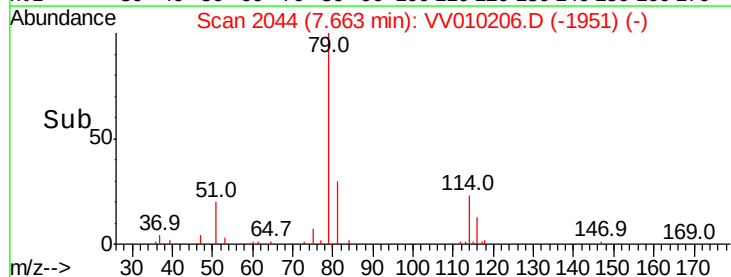
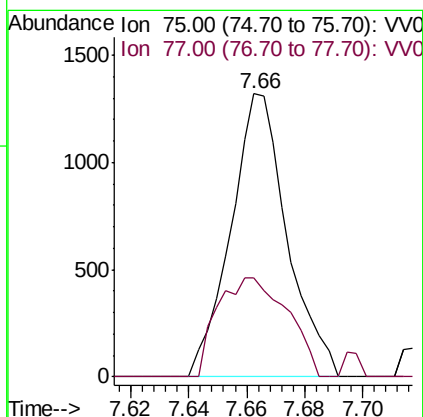
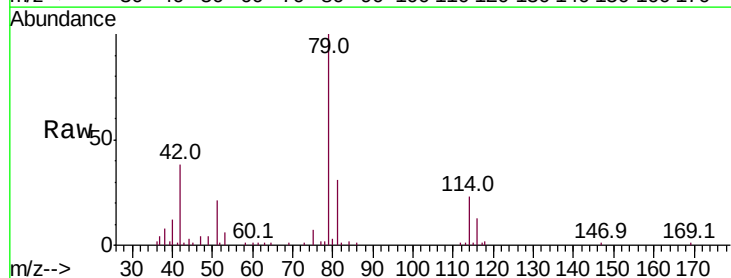
Acq: 09 Apr 2019 05:53

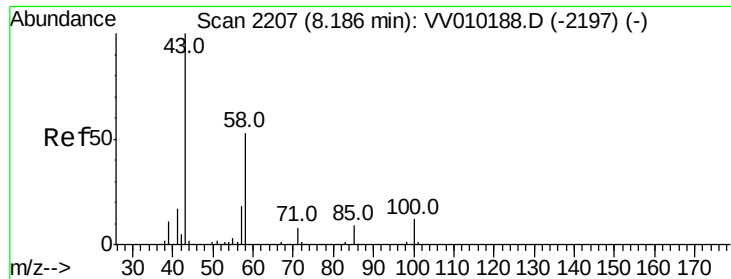
Tgt Ion: 75 Resp: 1777

Ion Ratio Lower Upper

75 100

77 34.8 23.5 43.7





#49

2-Hexanone

Concen: 3.112 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. -0.02 min

Lab File: VV010206.D

Acq: 09 Apr 2019 05:53

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFC66

Tot Ion: 43 Resp: 4626

Ion Ratio Lower Upper

43 100

58 1.7 44.3 66.5#

57 3.9 13.8 20.8#

100 0.0 10.6 15.8#

