

Data File : VV009882.D  
Acq On : 25 Mar 2019 23:59  
Operator : SY/MD  
Sample : K2022-20  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C09J4

Quant Time: Mar 26 07:21:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM032519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Mar 26 07:13:38 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 173090   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 163784   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 64333    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 83175    | 47.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.12%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 95233    | 47.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.78%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 176438   | 33.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.74%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 74851    | 94.89    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.89%  |
| 24) Chloroform-d               | 4.40    | 84    | 110573   | 44.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.98%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 76791    | 46.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.48%  |
| 32) Benzene-d6                 | 5.10    | 84    | 236141   | 53.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.24% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 71434    | 52.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 104.18% |
| 41) Toluene-d8                 | 7.36    | 98    | 210776   | 48.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.84%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 26752    | 42.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.40%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 53683    | 95.50    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.50%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 98854    | 44.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.84%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 72320    | 48.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.04%  |

#### Target Compounds

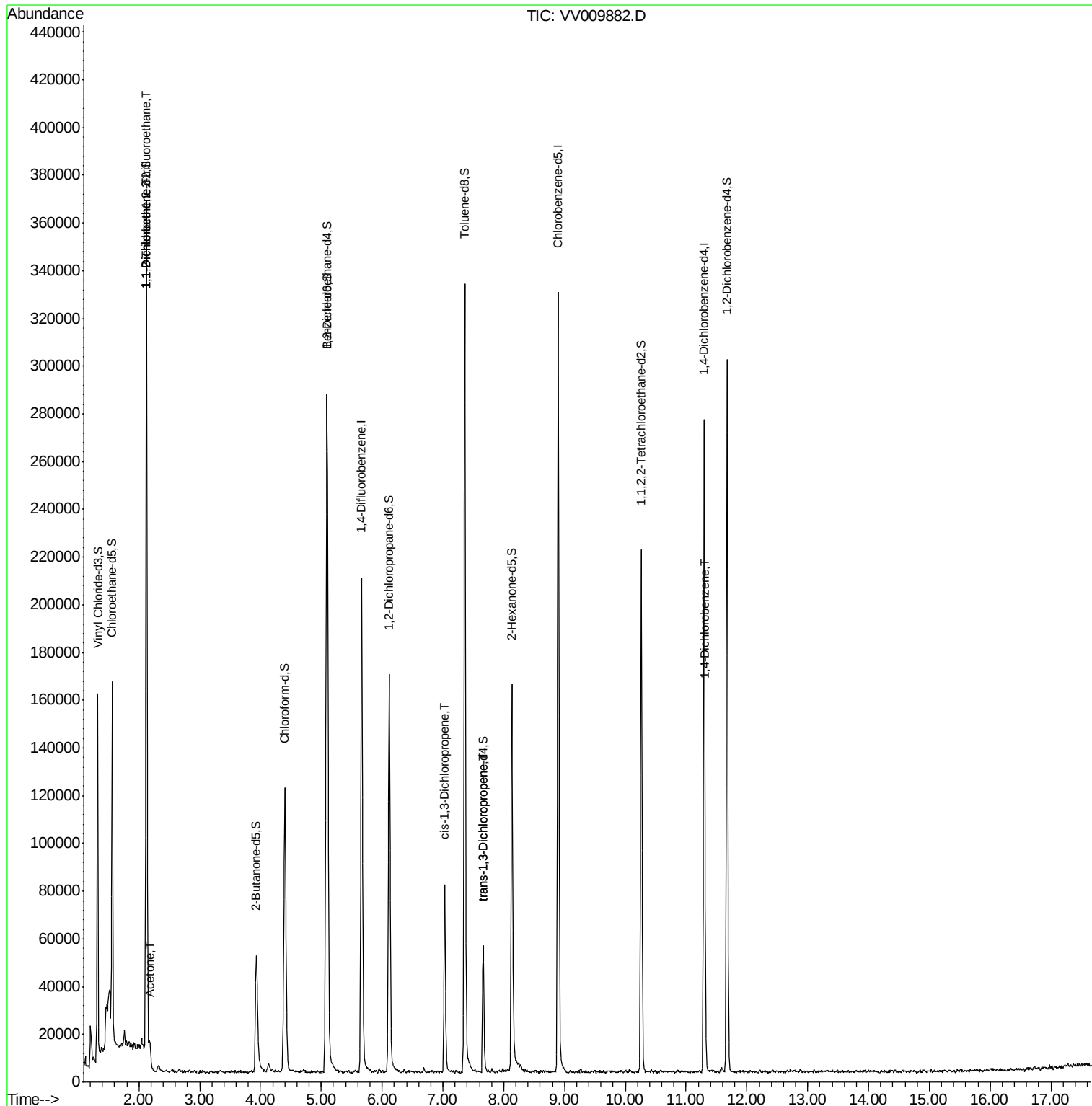
|                                |       |     |      |       | Qvalue |    |
|--------------------------------|-------|-----|------|-------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1850 | 0.696 | ug/L # | 16 |
| 12) 1,1-Dichloroethene         | 2.13  | 96  | 1564 | 0.665 | ug/L # | 1  |
| 13) Acetone                    | 2.19  | 43  | 6089 | 6.482 | ug/L   | 94 |
| 39) cis-1,3-Dichloropropene    | 7.03  | 75  | 2649 | 1.496 | ug/L # | 44 |
| 44) trans-1,3-Dichloropropene  | 7.66  | 75  | 1890 | 1.148 | ug/L   | 87 |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146 | 1199 | 0.519 | ug/L # | 87 |

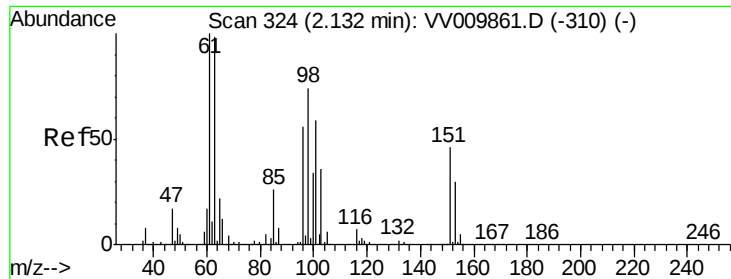
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.696 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009882.D

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Instrument :

MSVOA\_V

ClientSampleId :

C09J4

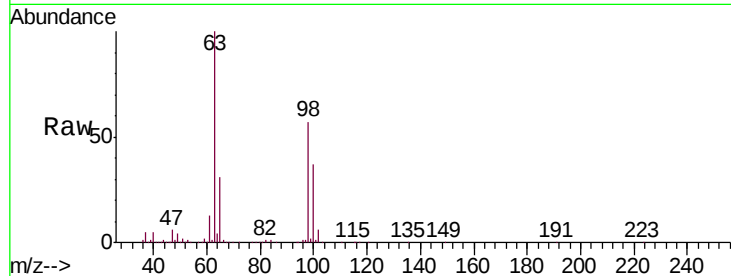
Tgt Ion: 101 Resp: 1850

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.4#

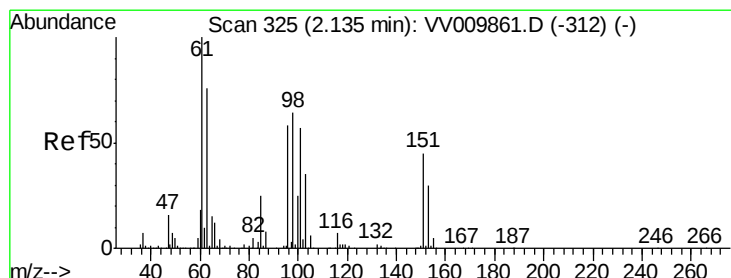
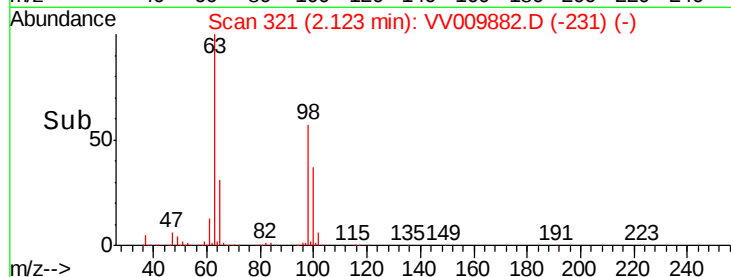
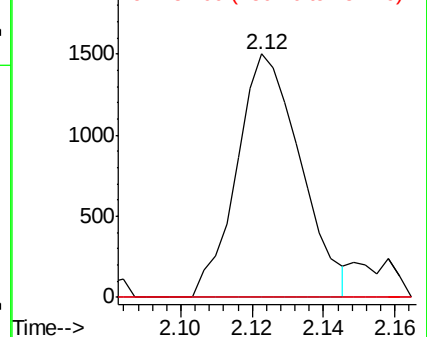
151 0.0 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.665 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009882.D

Acq: 25 Mar 2019 23:59

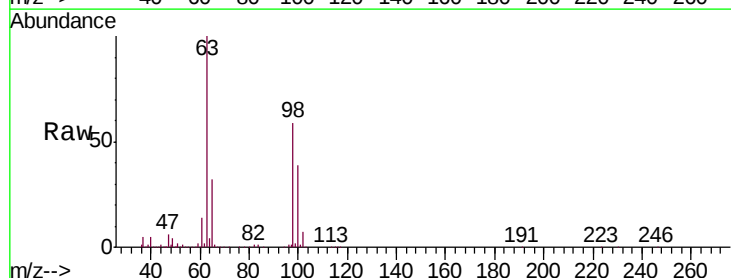
Tgt Ion: 96 Resp: 1564

Ion Ratio Lower Upper

96 100

61 1770.0 125.3 232.7#

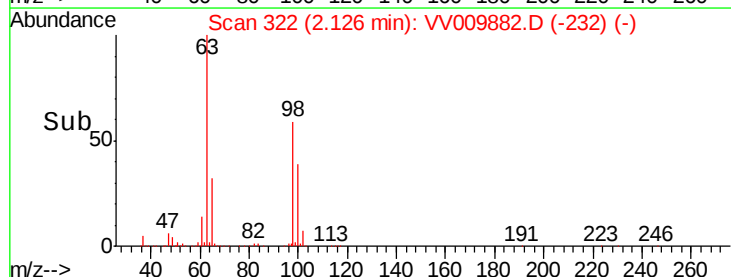
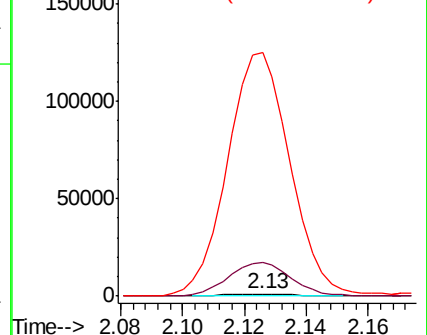
63 12835.3 109.7 203.7#

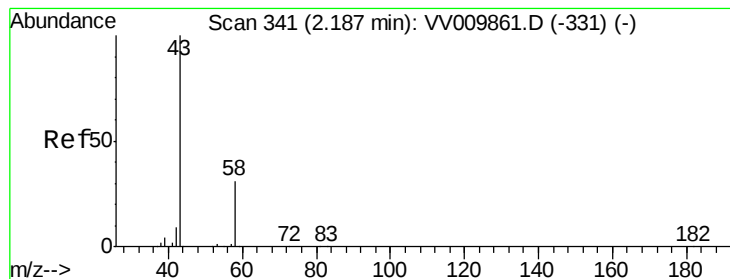


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.482 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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Acq: 25 Mar 2019 23:59

Instrument :

MSVOA\_V

ClientSampleId :

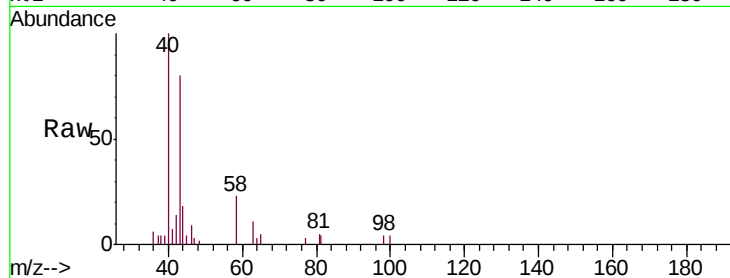
C09J4

Tgt Ion: 43 Resp: 6089

Ion Ratio Lower Upper

43 100

58 29.0 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV009861.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009861.D (-331) (-)

2.19

3000

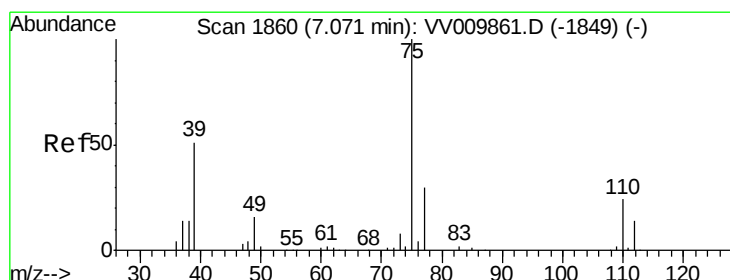
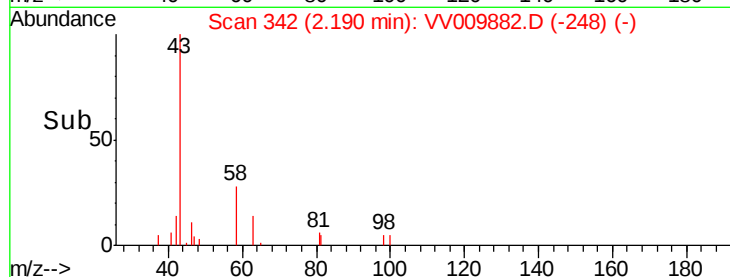
2000

1000

0

2.15 2.20 2.25

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.496 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009882.D

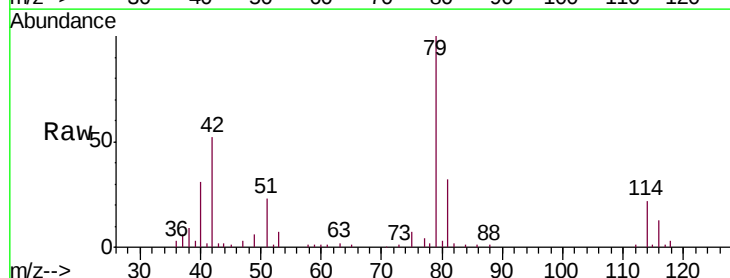
Acq: 25 Mar 2019 23:59

Tgt Ion: 75 Resp: 2649

Ion Ratio Lower Upper

75 100

77 59.3 20.5 38.1#



Abundance Ion 75.00 (74.70 to 75.70): VV009861.D (-1849) (-)

Ion 77.00 (76.70 to 77.70): VV009861.D (-1849) (-)

7.03

1500

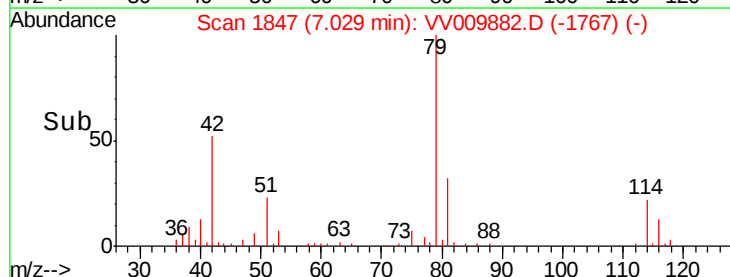
1000

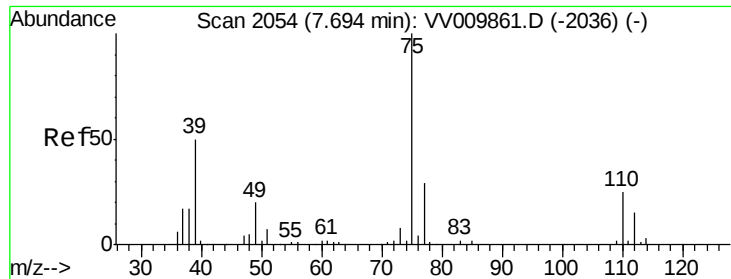
500

0

7.00 7.05

Time-->





#44

trans-1,3-Dichloropropene

Concen: 1.148 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009882.D

Acq: 25 Mar 2019 23:59

Instrument :

MSVOA\_V

ClientSampled :

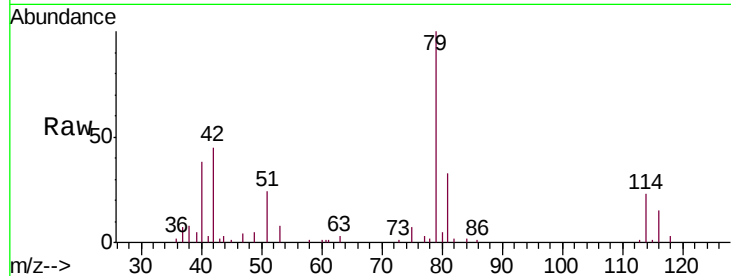
C09J4

Tgt Ion: 75 Resp: 1890

Ion Ratio Lower Upper

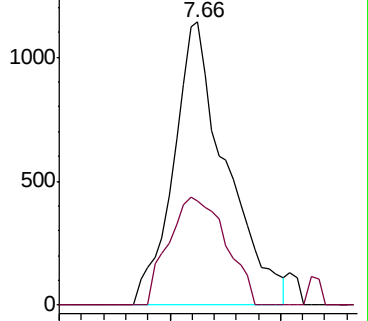
75 100

77 36.7 20.7 38.5

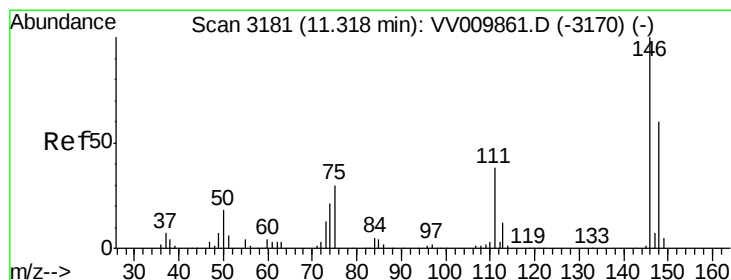
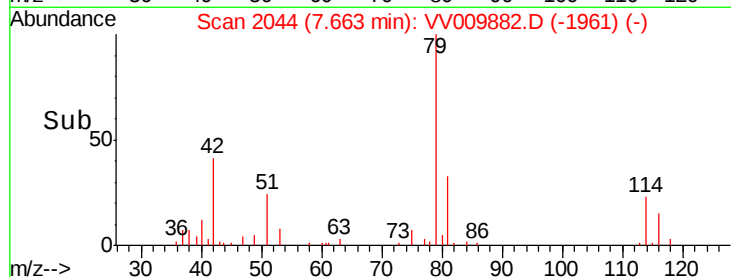


Abundance Ion 75.00 (74.70 to 75.70): VV009861.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009861.D (-2036) (-)



Time--> 7.60 7.65 7.70



#63

1,4-Dichlorobenzene

Concen: 0.519 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009882.D

Acq: 25 Mar 2019 23:59

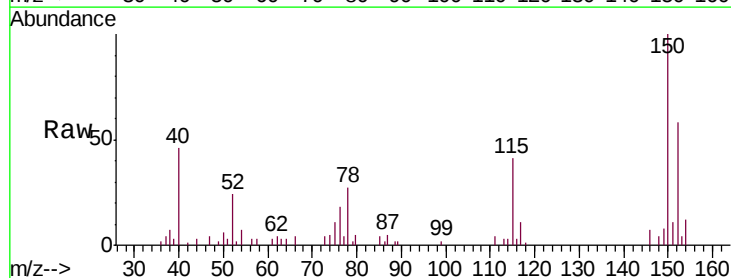
Tgt Ion: 146 Resp: 1199

Ion Ratio Lower Upper

146 100

111 54.9 26.5 49.3#

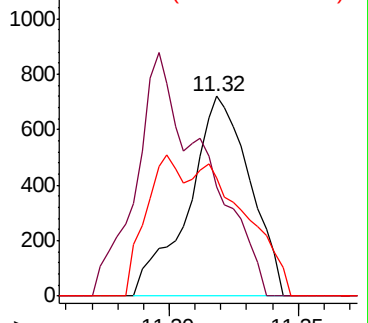
148 59.3 43.2 80.2



Abundance Ion 146.00 (145.70 to 146.70): VV009861.D (-3170) (-)

Ion 111.00 (110.70 to 111.70): VV009861.D (-3170) (-)

Ion 148.00 (147.70 to 148.70): VV009861.D (-3170) (-)



Time--> 11.30 11.35

