

Data File : VV014571.D  
Acq On : 12 Feb 2020 14:54  
Operator : SY/MD  
Sample : L1489-06  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFRE2

Quant Time: Feb 13 05:58:12 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM021220WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Feb 13 05:55:11 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 317295   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 296711   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 147870   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 59830    | 49.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 98.20%  |
| 7) Chloroethane-d5             | 1.59    | 69    | 42264    | 49.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.64%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 75494    | 37.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.26%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 95375    | 94.39    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.39%  |
| 24) Chloroform-d               | 4.40    | 84    | 166507   | 46.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.72%  |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 107665   | 48.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.68%  |
| 32) Benzene-d6                 | 5.09    | 84    | 357099   | 50.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.66% |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 105887   | 49.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.08%  |
| 41) Toluene-d8                 | 7.35    | 98    | 339467   | 49.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.46%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 57768    | 49.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 98.04%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 77071    | 90.24    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 90.24%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 141160   | 48.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.32%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 129287   | 49.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.98%  |

#### Target Compounds

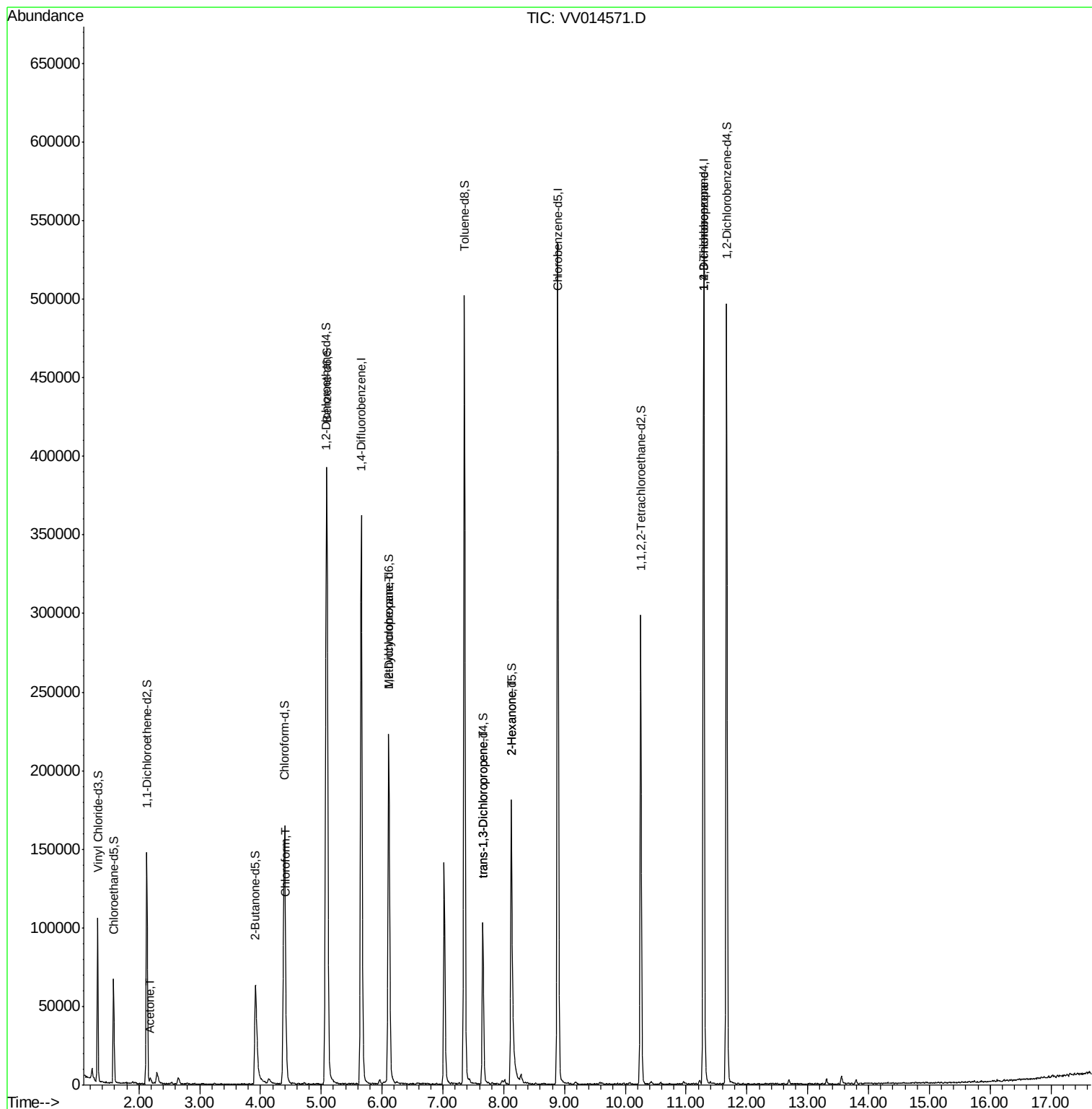
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 2.19  | 43 | 3081  | 3.554 ug/L   | 94     |
| 25) Chloroform                | 4.42  | 83 | 5892  | 1.582 ug/L   | 98     |
| 35) Methylcyclohexane         | 6.11  | 83 | 26977 | 8.196 ug/L # | 19     |
| 44) trans-1,3-Dichloropropene | 7.66  | 75 | 2898  | 0.945 ug/L # | 68     |
| 48) 2-Hexanone                | 8.12  | 43 | 7592  | 4.098 ug/L # | 67     |
| 59) 1,2,3-Trichloropropane    | 11.29 | 75 | 17040 | 6.883 ug/L   | 92     |

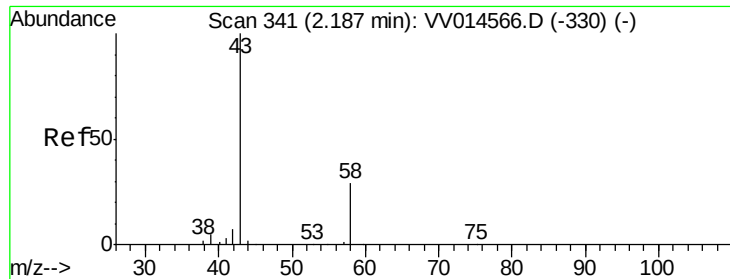
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.554 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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Acq: 12 Feb 2020 14:54

Instrument :

MSVOA\_V

ClientSampleId :

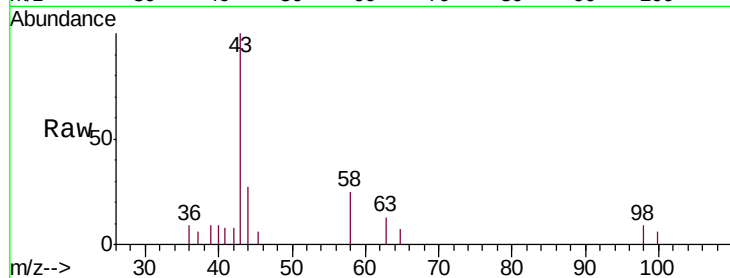
BFRE2

Tgt Ion: 43 Resp: 3081

Ion Ratio Lower Upper

43 100

58 26.2 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014566.D (-330) (-)

2000

1500

1000

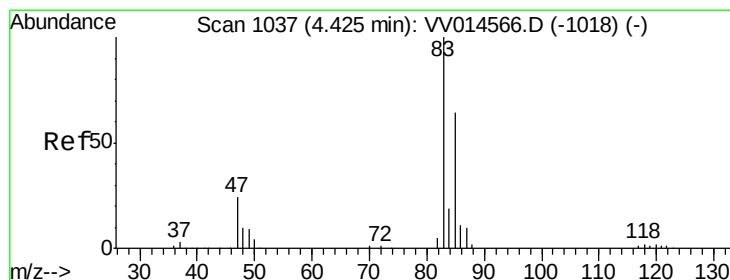
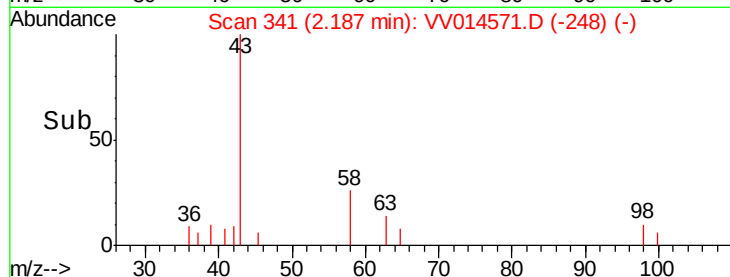
500

0

2.15

2.20

Time-->



#25

Chloroform

Concen: 1.582 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV014571.D

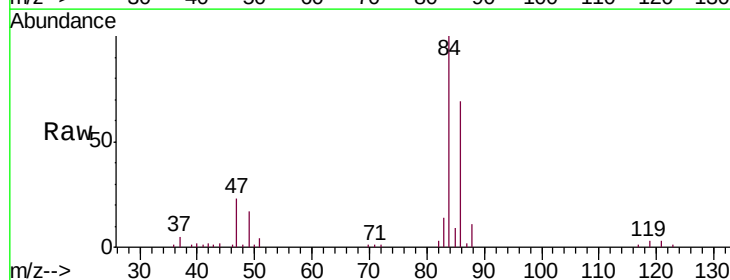
Acq: 12 Feb 2020 14:54

Tgt Ion: 83 Resp: 5892

Ion Ratio Lower Upper

83 100

85 65.6 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VV014566.D (-1018) (-)

Ion 85.00 (84.70 to 85.70): VV014566.D (-1018) (-)

2500

2000

1500

1000

500

0

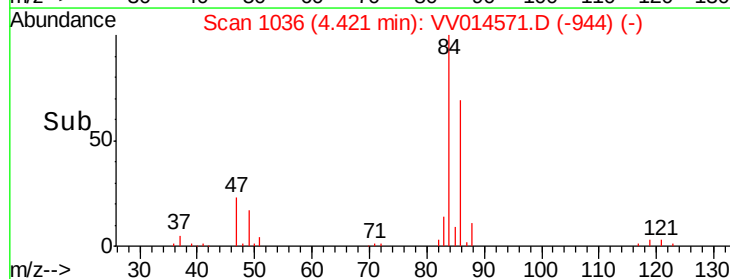
4.35

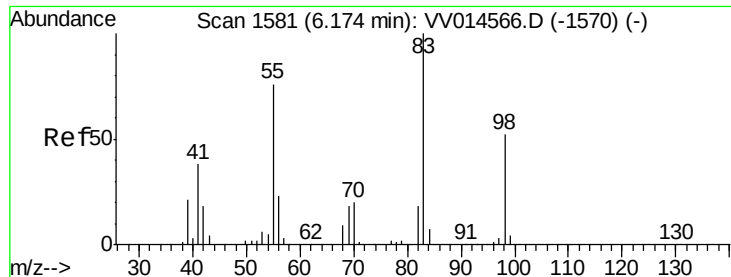
4.40

4.45

4.50

Time-->

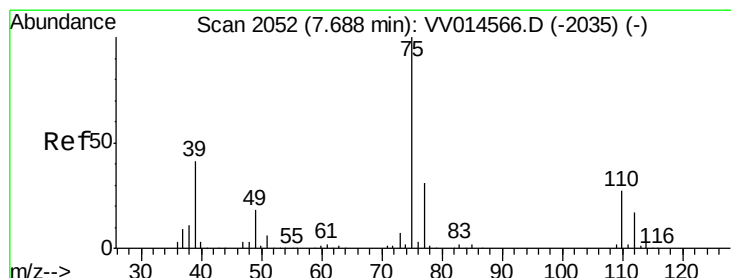
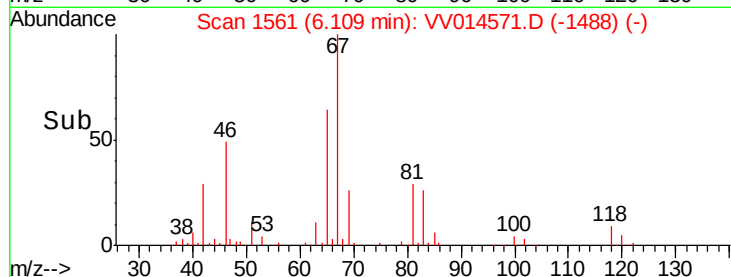
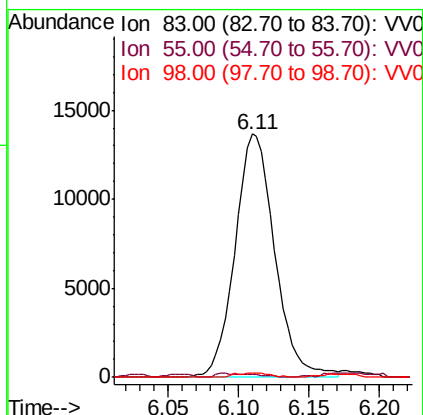
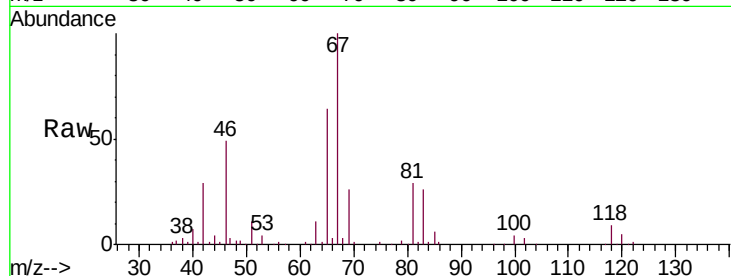




#35  
Methylcyclohexane  
Concen: 8.196 ug/L  
RT: 6.11 min Scan# 1561  
Delta R.T. -0.06 min  
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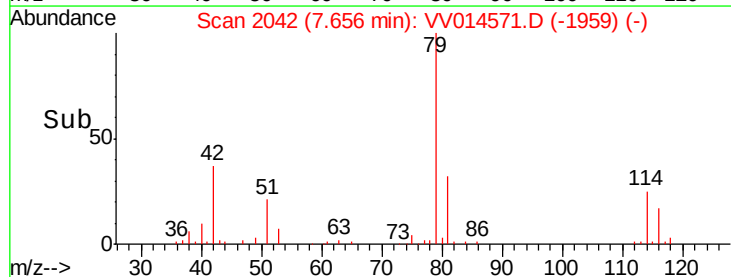
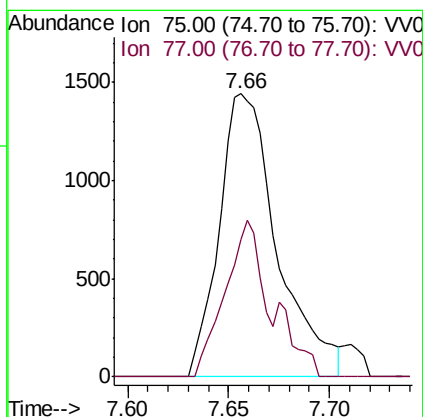
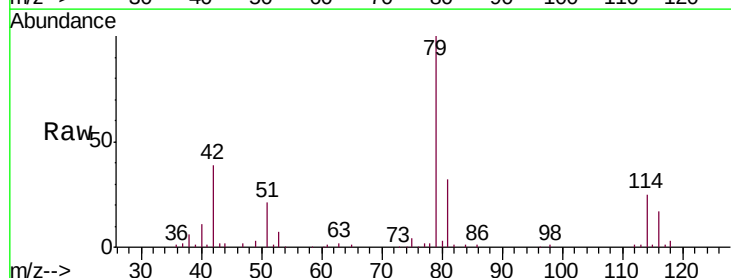
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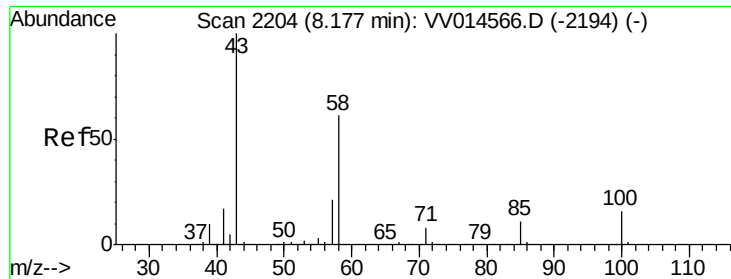
Tgt Ion: 83 Resp: 26977  
Ion Ratio Lower Upper  
83 100  
55 0.2 57.8 86.6#  
98 0.1 39.7 59.5#



#44  
trans-1,3-Dichloropropene  
Concen: 0.945 ug/L  
RT: 7.66 min Scan# 2042  
Delta R.T. -0.03 min  
Lab File: VV014571.D  
Acq: 12 Feb 2020 14:54

Tgt Ion: 75 Resp: 2898  
Ion Ratio Lower Upper  
75 100  
77 48.5 21.7 40.3#

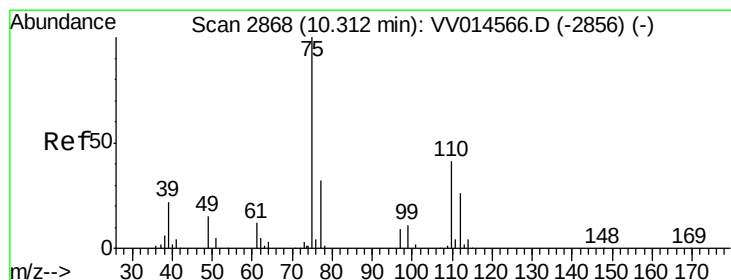
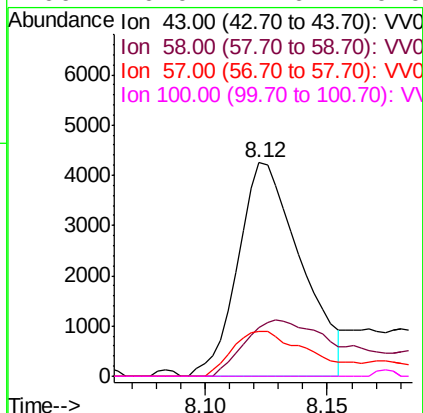
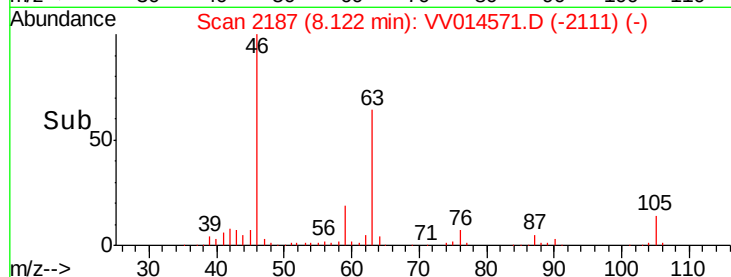
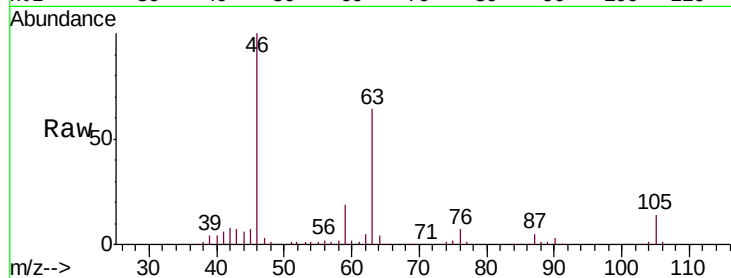




#48  
2-Hexanone  
Concen: 4.098 ug/L  
RT: 8.12 min Scan# 2187  
Delta R.T. -0.05 min  
Lab File: VV014571.D  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
BFRE2

Tgt Ion: 43 Resp: 7592  
Ion Ratio Lower Upper  
43 100  
58 32.0 50.4 75.6#  
57 26.3 17.8 26.6  
100 0.0 12.6 19.0#



#59  
1,2,3-Trichloropropane  
Concen: 6.883 ug/L  
RT: 11.29 min Scan# 3171  
Delta R.T. 0.97 min  
Lab File: VV014571.D  
Acq: 12 Feb 2020 14:54

Tgt Ion: 75 Resp: 17040  
Ion Ratio Lower Upper  
75 100  
77 37.0 25.9 38.9

