

Data File : VW015573.D  
Acq On : 09 Jun 2020 15:33  
Operator : SY/VA  
Sample : L2959-02  
Misc : 4.14G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG2J7

Quant Time: Jun 10 03:30:21 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jun 09 12:46:40 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 294646   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 243622   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 84451    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 105671   | 39.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 156.52%# |
| 7) Chloroethane-d5             | 2.90   | 69    | 83724    | 31.18    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 124.72%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 146665   | 22.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 89.16%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 40634    | 46.09    | ug/L | 0.01     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.18%   |
| 24) Chloroform-d               | 7.65   | 84    | 178955   | 26.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.04%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 101086   | 26.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 106.68%  |
| 29) Benzene-d6                 | 8.28   | 84    | 364395   | 30.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 122.00%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 103949   | 28.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 114.52%  |
| 37) Toluene-d8                 | 10.32  | 98    | 325361   | 28.01    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 112.04%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 41954    | 24.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 99.92%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 31762    | 50.53    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.06%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 62321    | 22.80    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 91.20%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 68840    | 24.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.28%   |

#### Target Compounds

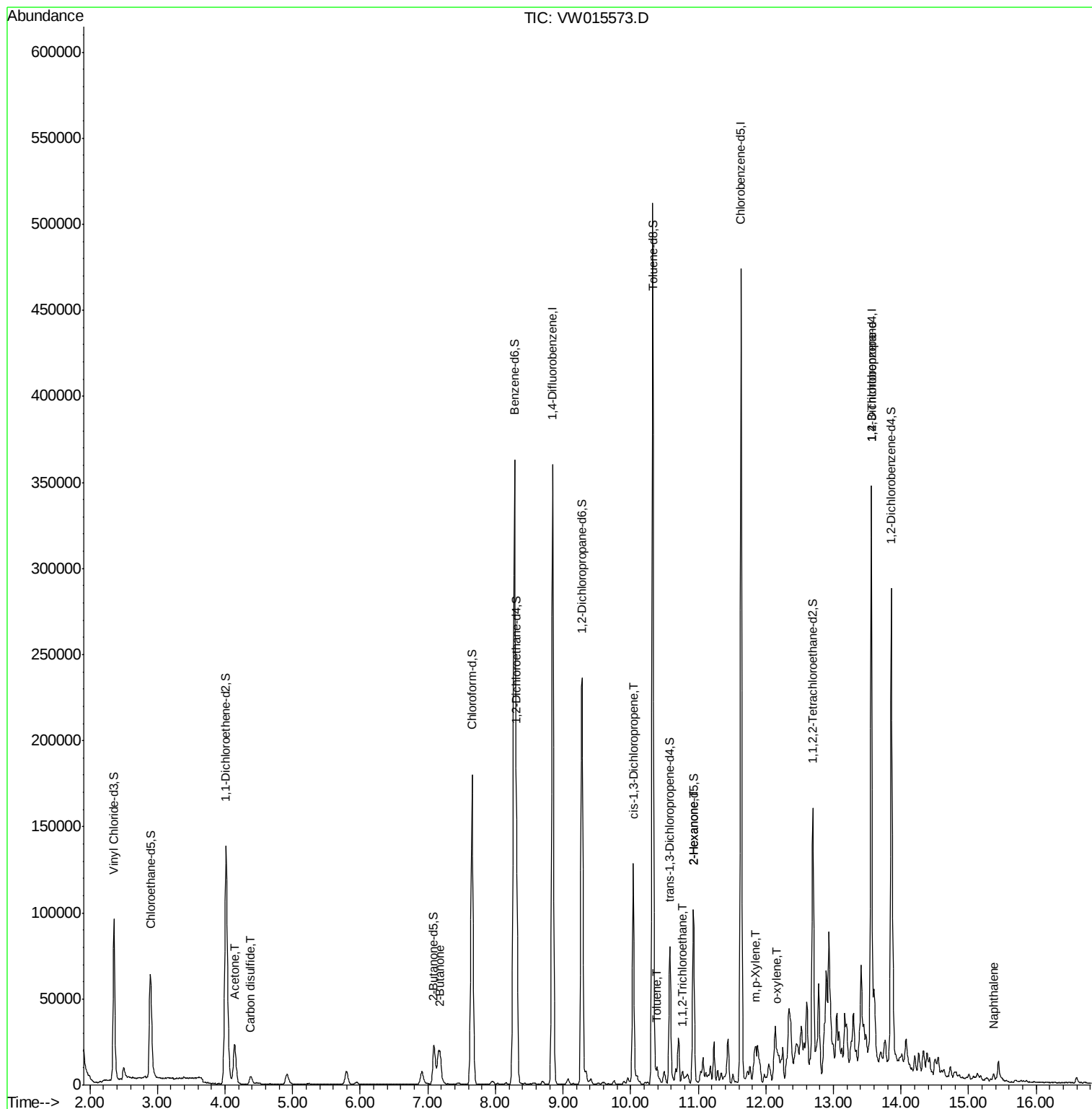
|                             |       |     |       |              | Qvalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                 | 4.14  | 43  | 42810 | 62.817 ug/L  | 100    |
| 14) Carbon disulfide        | 4.37  | 76  | 8682  | 0.741 ug/L   | 96     |
| 21) 2-Butanone              | 7.18  | 43  | 18233 | 17.416 ug/L  | 100    |
| 42) cis-1,3-Dichloropropene | 10.04 | 75  | 3482  | 0.649 ug/L # | 64     |
| 44) Toluene                 | 10.39 | 91  | 5828  | 0.393 ug/L   | 94     |
| 46) 1,1,2-Trichloroethane   | 10.77 | 97  | 2289  | 0.975 ug/L # | 29     |
| 49) 2-Hexanone              | 10.93 | 43  | 6690  | 5.040 ug/L # | 48     |
| 54) m,p-Xylene              | 11.84 | 106 | 2897  | 0.453 ug/L   | 85     |
| 55) o-xylene                | 12.16 | 106 | 2406  | 0.396 ug/L   | 98     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75  | 10873 | 5.277 ug/L   | 90     |
| 69) Naphthalene             | 15.37 | 128 | 4146  | 0.792 ug/L # | 92     |

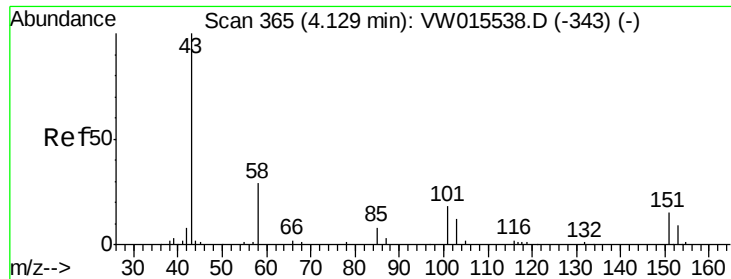
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 62.817 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW015573.D

Acq: 09 Jun 2020 15:33

Instrument :

MSVOA\_W

ClientSampled :

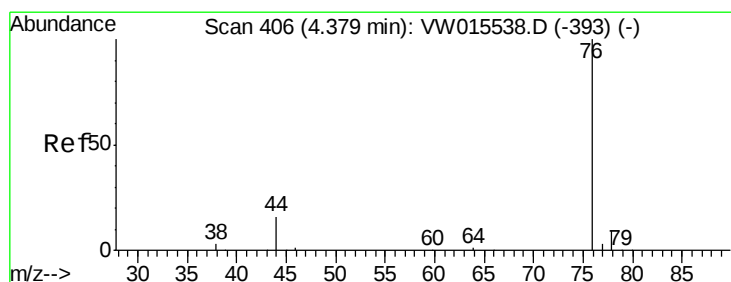
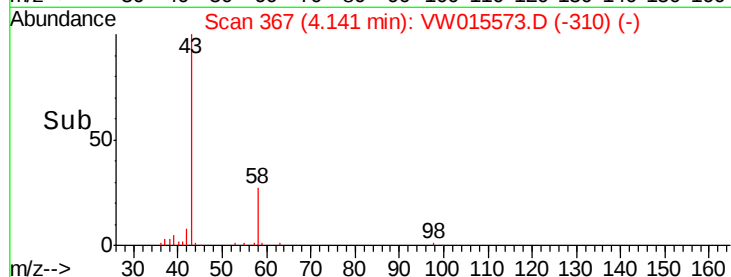
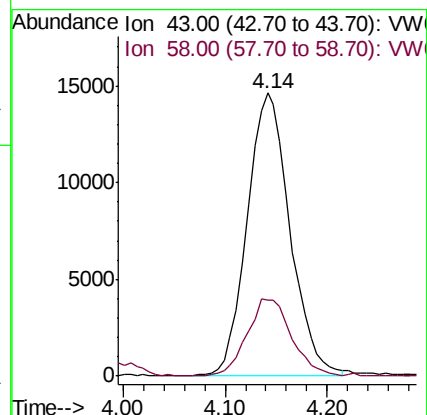
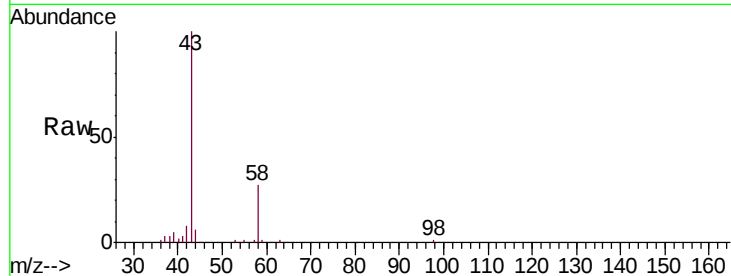
BG2J7

Tgt Ion: 43 Resp: 42810

Ion Ratio Lower Upper

43 100

58 28.2 0.0 56.8



#14

Carbon disulfide

Concen: 0.741 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015573.D

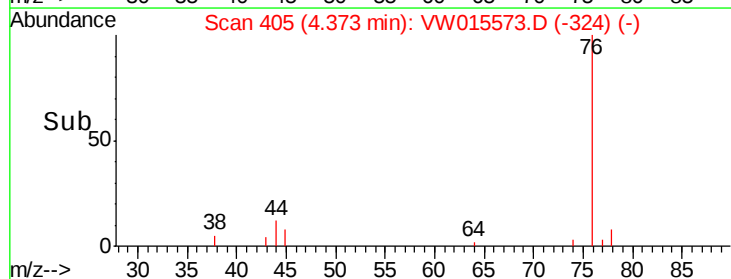
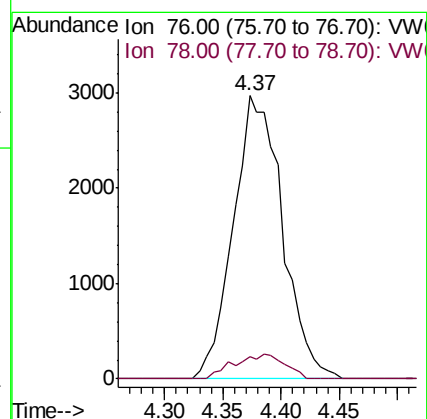
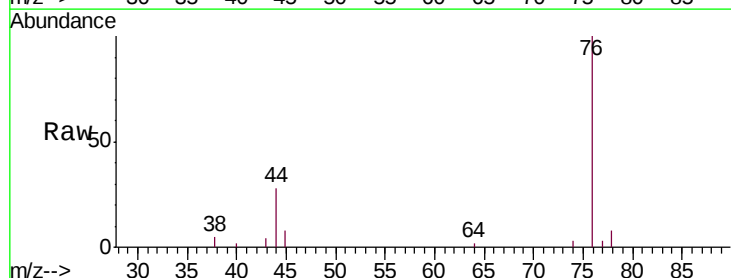
Acq: 09 Jun 2020 15:33

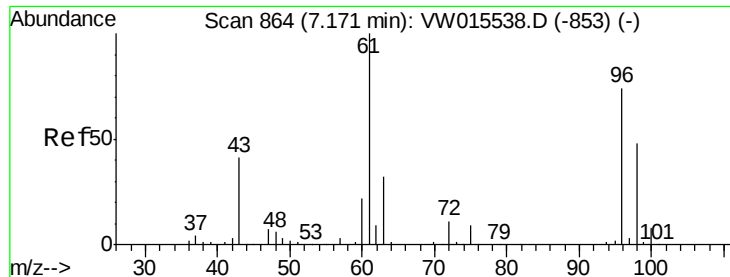
Tgt Ion: 76 Resp: 8682

Ion Ratio Lower Upper

76 100

78 7.7 7.3 10.9

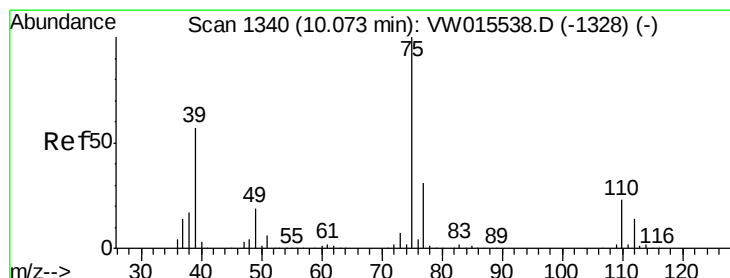
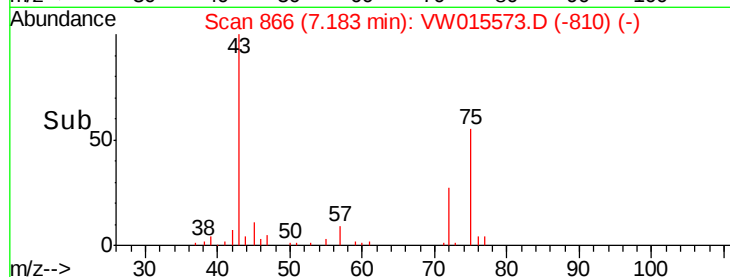
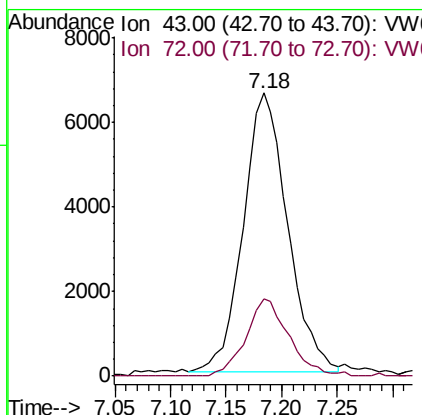
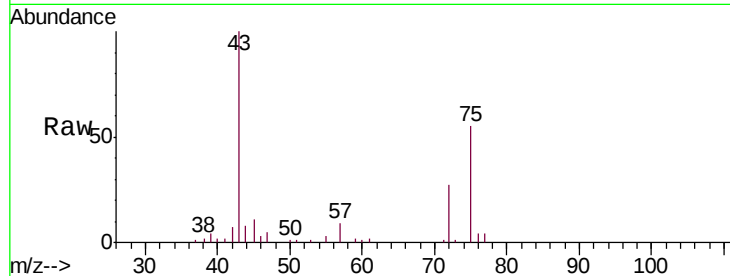




#21  
2-Butanone  
Concen: 17.416 ug/L  
RT: 7.18 min Scan# 866  
Delta R.T. 0.01 min  
Lab File: VW015573.D  
Acq: 09 Jun 2020 15:33

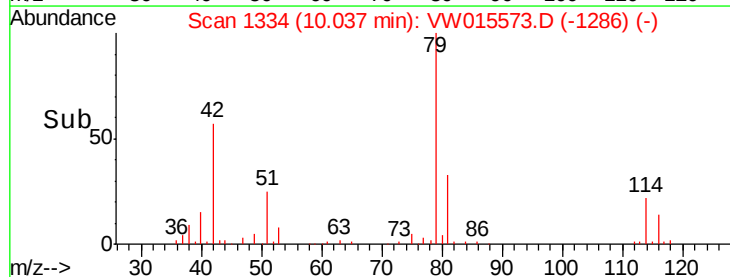
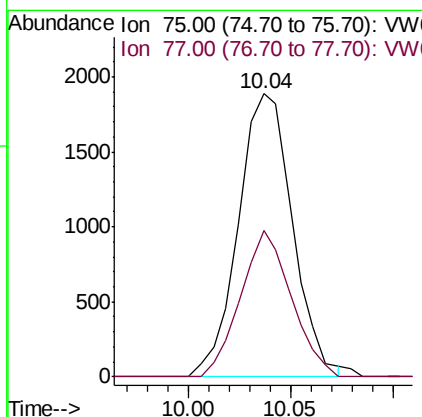
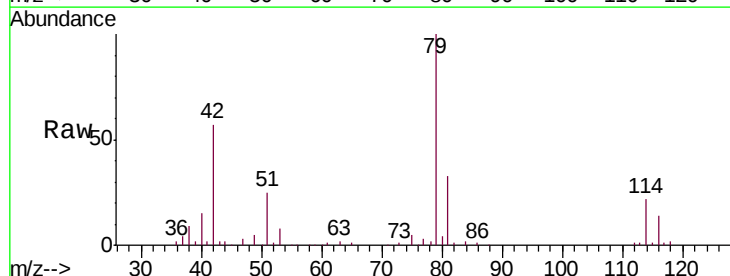
Instrument :  
MSVOA\_W  
ClientSampleId :  
BG2J7

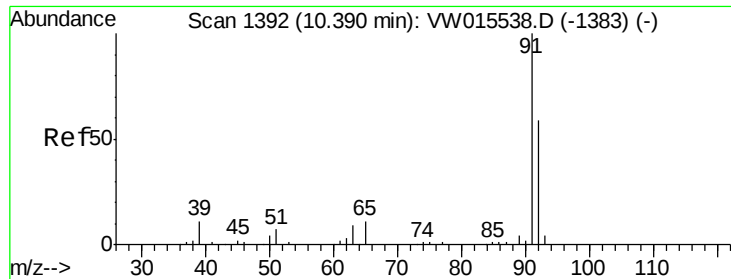
Tgt Ion: 43 Resp: 18233  
Ion Ratio Lower Upper  
43 100  
72 26.8 13.3 39.9



#42  
cis-1,3-Dichloropropene  
Concen: 0.649 ug/L  
RT: 10.04 min Scan# 1334  
Delta R.T. -0.04 min  
Lab File: VW015573.D  
Acq: 09 Jun 2020 15:33

Tgt Ion: 75 Resp: 3482  
Ion Ratio Lower Upper  
75 100  
77 51.8 22.3 41.5#





#44

Toluene

Concen: 0.393 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015573.D

Acq: 09 Jun 2020 15:33

Instrument :

MSVOA\_W

ClientSampleId :

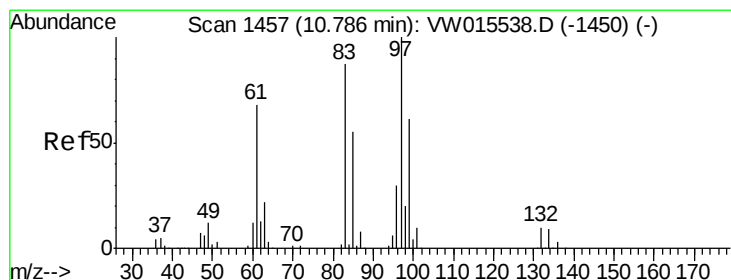
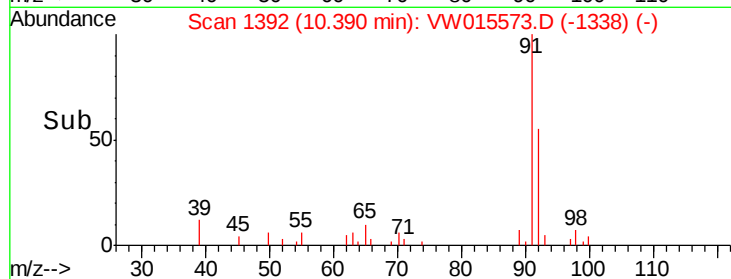
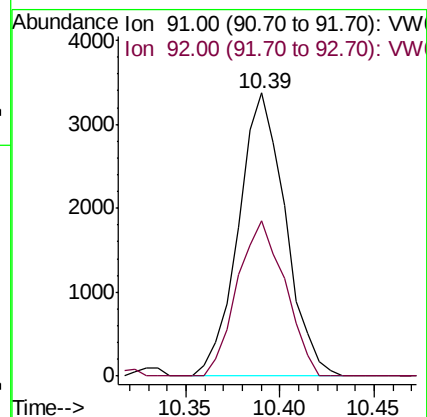
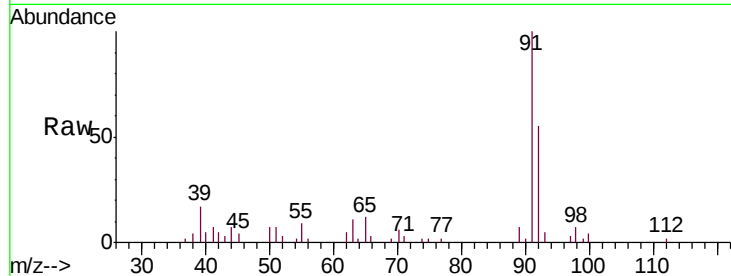
BG2J7

Tgt Ion: 91 Resp: 5828

Ion Ratio Lower Upper

91 100

92 55.0 41.7 77.5



#46

1,1,2-Trichloroethane

Concen: 0.975 ug/L

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW015573.D

Acq: 09 Jun 2020 15:33

Tgt Ion: 97 Resp: 2289

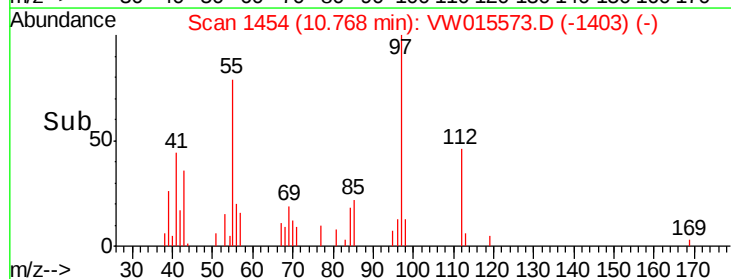
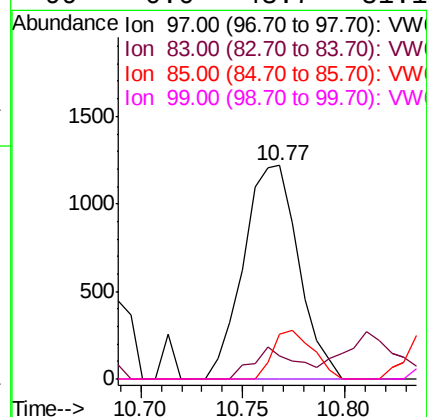
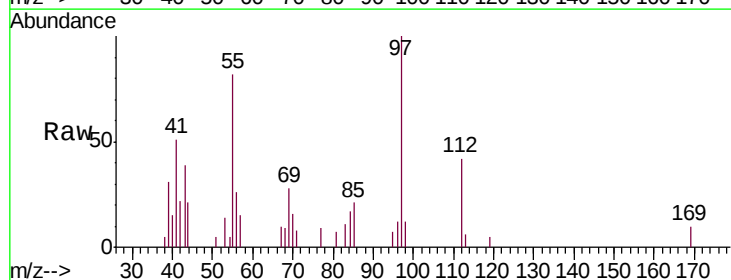
Ion Ratio Lower Upper

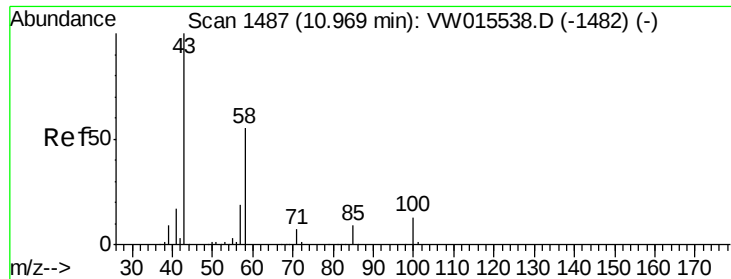
97 100

83 10.9 58.2 108.2#

85 20.8 37.4 69.4#

99 0.0 43.7 81.1#

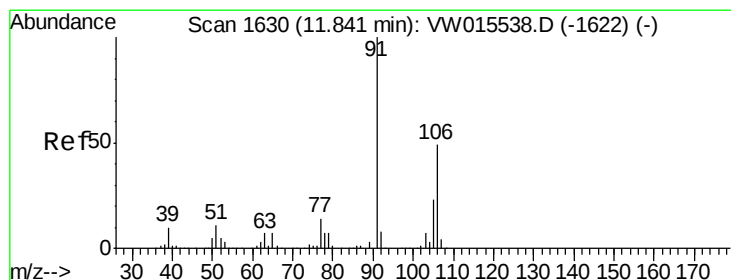
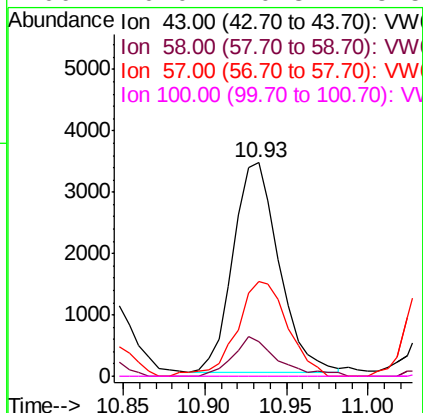
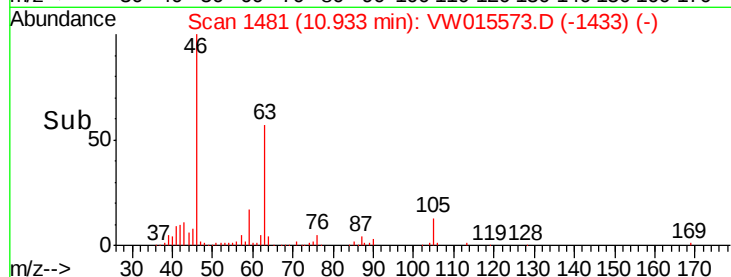
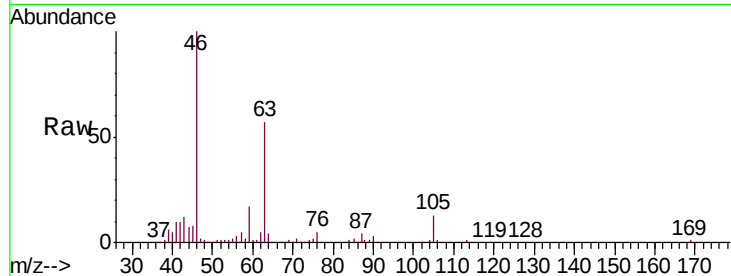




#49  
2-Hexanone  
Concen: 5.040 ug/L  
RT: 10.93 min Scan# 1481  
Delta R.T. -0.04 min  
Lab File: VW015573.D  
Acq: 09 Jun 2020 15:33

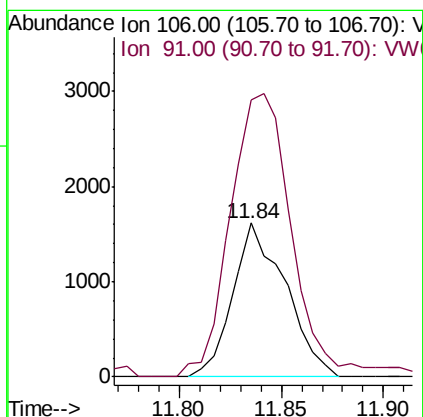
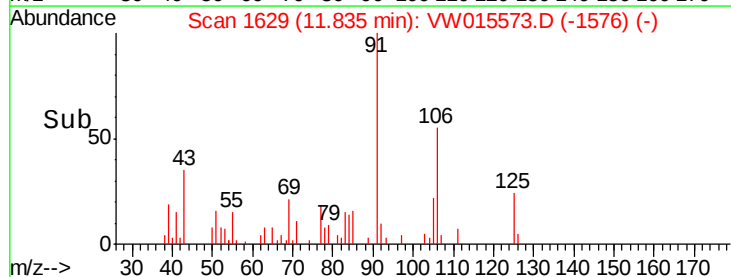
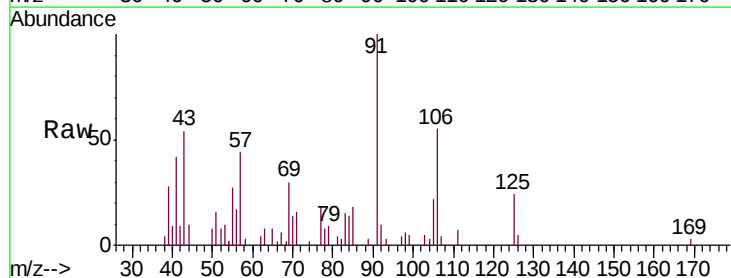
Instrument :  
MSVOA\_W  
ClientSampled :  
BG2J7

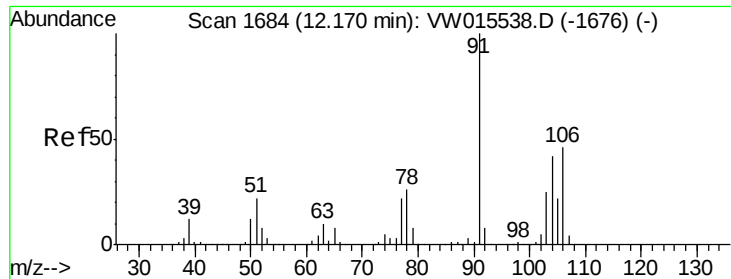
Tgt Ion: 43 Resp: 6690  
Ion Ratio Lower Upper  
43 100  
58 17.1 42.6 64.0#  
57 49.9 15.5 23.3#  
100 0.0 10.3 15.5#



#54  
m,p-Xylene  
Concen: 0.453 ug/L  
RT: 11.84 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW015573.D  
Acq: 09 Jun 2020 15:33

Tgt Ion: 106 Resp: 2897  
Ion Ratio Lower Upper  
106 100  
91 180.6 142.6 264.8

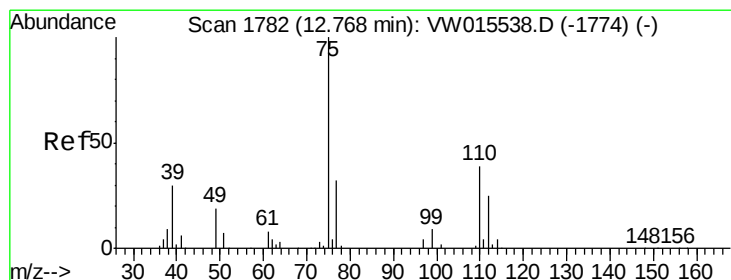
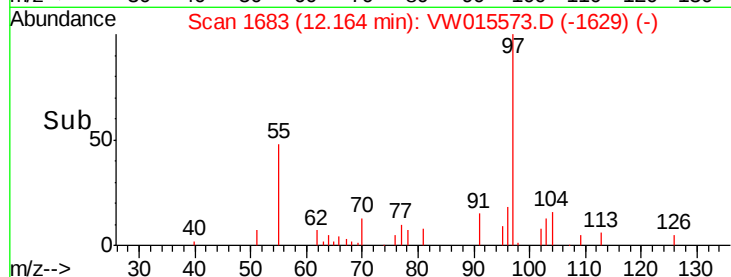
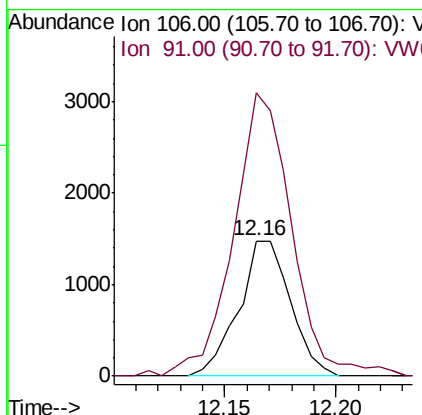
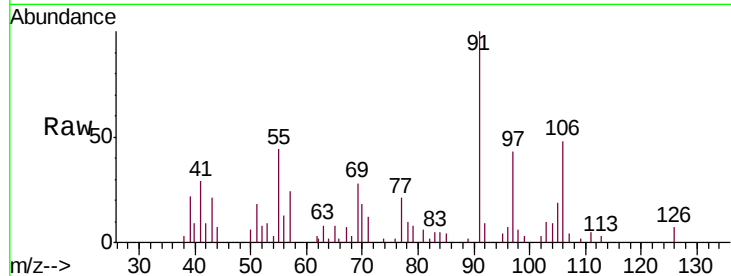




#55  
o-xylene  
Concen: 0.396 ug/L  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW015573.D  
Acq: 09 Jun 2020 15:33

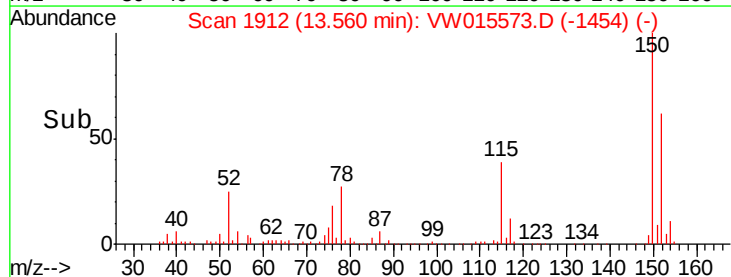
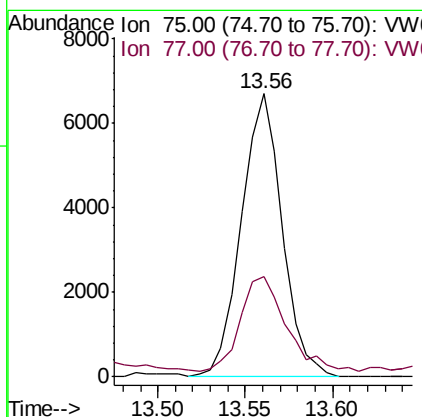
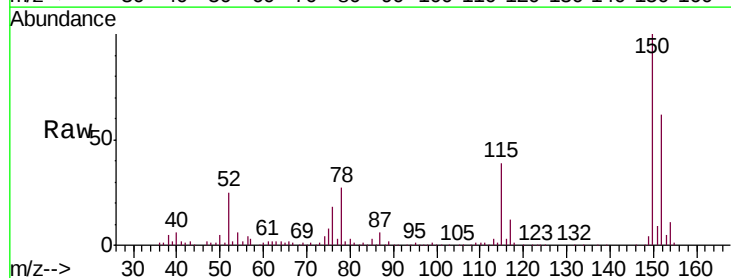
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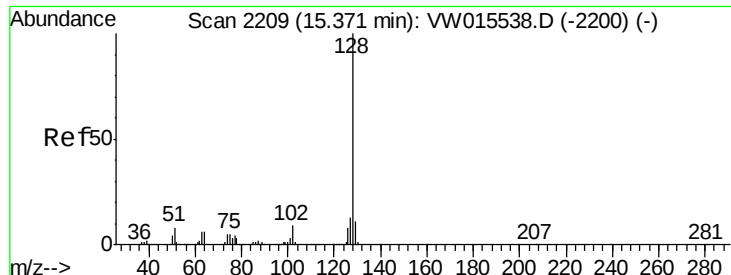
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Ion Ratio Lower Upper  
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91 208.9 149.0 276.6



#59  
1,2,3-Trichloropropane  
Concen: 5.277 ug/L  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.79 min  
Lab File: VW015573.D  
Acq: 09 Jun 2020 15:33

Tgt Ion: 75 Resp: 10873  
Ion Ratio Lower Upper  
75 100  
77 38.2 25.9 38.9





#69

Naphthalene

Concen: 0.792 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015573.D

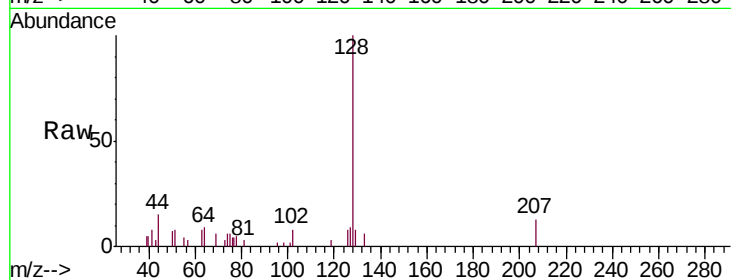
Acq: 09 Jun 2020 15:33

Instrument :

MSVOA\_W

ClientSampleId :

BG2J7



Tgt Ion:128 Resp: 4146

Ion Ratio Lower Upper

128 100

129 7.1 8.6 12.8#

127 10.7 10.6 15.8

