

Data File : VW015570.D  
Acq On : 09 Jun 2020 14:23  
Operator : SY/VA  
Sample : L2959-01  
Misc : 5.81G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG2J6

Quant Time: Jun 10 03:29:59 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  | 364911   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 334819   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 156191   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 117302   | 35.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 140.32% |
| 7) Chloroethane-d5             | 2.90   | 69    | 95185    | 28.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 114.48% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 167169   | 20.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 82.08%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 47772    | 43.76    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.52%  |
| 24) Chloroform-d               | 7.65   | 84    | 209496   | 24.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.28%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 122333   | 26.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 104.24% |
| 29) Benzene-d6                 | 8.28   | 84    | 425247   | 25.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 103.60% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 124384   | 24.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.72%  |
| 37) Toluene-d8                 | 10.33  | 98    | 397194   | 24.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 99.52%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 53882    | 23.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.36%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 37618    | 43.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.08%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 86661    | 23.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 92.24%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 127882   | 24.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.72%  |

#### Target Compounds

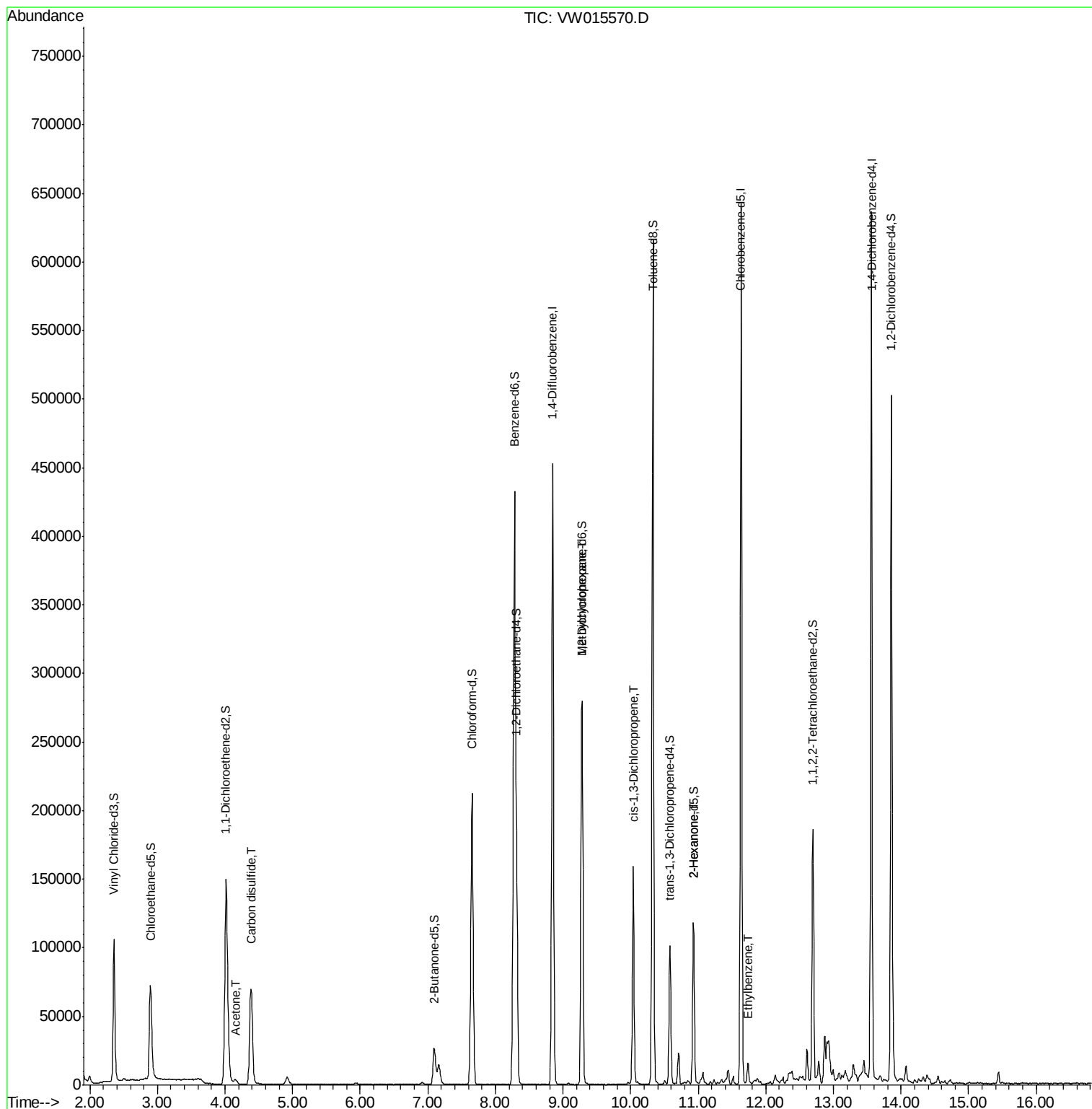
|                             |       |    |        |              | Qvalue |
|-----------------------------|-------|----|--------|--------------|--------|
| 13) Acetone                 | 4.15  | 43 | 6739   | 7.984 ug/L   | 67     |
| 14) Carbon disulfide        | 4.39  | 76 | 157042 | 10.819 ug/L  | 99     |
| 36) Methylcyclohexane       | 9.28  | 83 | 30725  | 3.425 ug/L # | 19     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 4218   | 0.572 ug/L # | 77     |
| 49) 2-Hexanone              | 10.93 | 43 | 6510   | 3.568 ug/L # | 57     |
| 53) Ethylbenzene            | 11.74 | 91 | 10816  | 0.462 ug/L   | 100    |

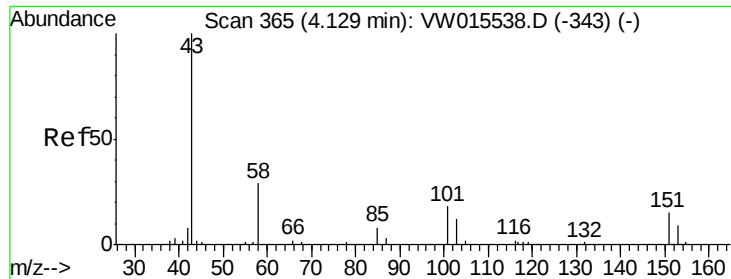
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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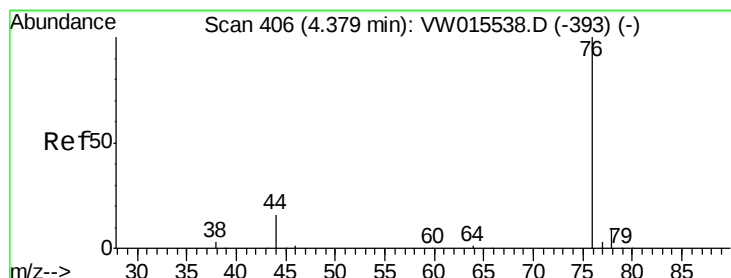
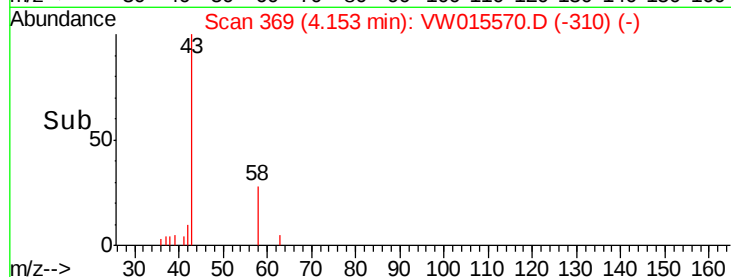
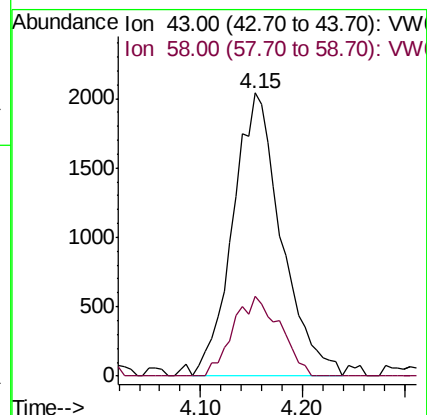
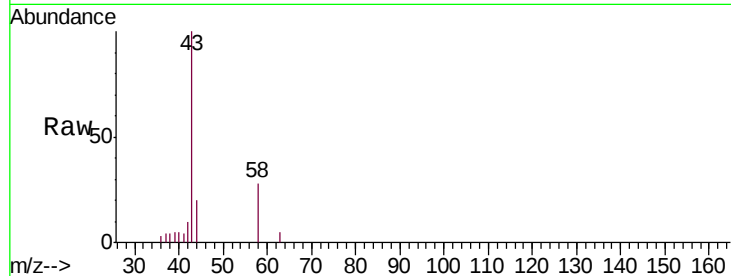




#13  
Acetone  
Concen: 7.984 ug/L  
RT: 4.15 min Scan# 369  
Delta R.T. 0.03 min  
Lab File: VW015570.D  
Acq: 09 Jun 2020 14:23

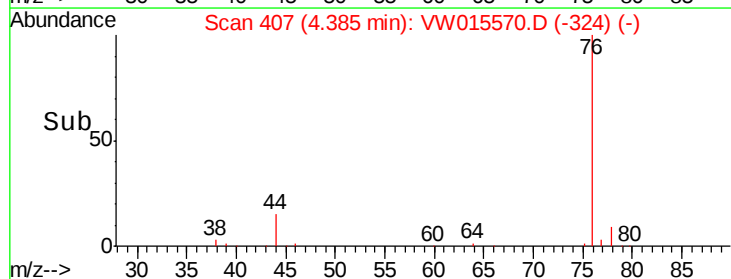
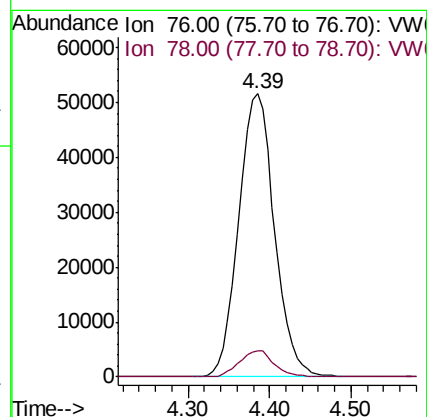
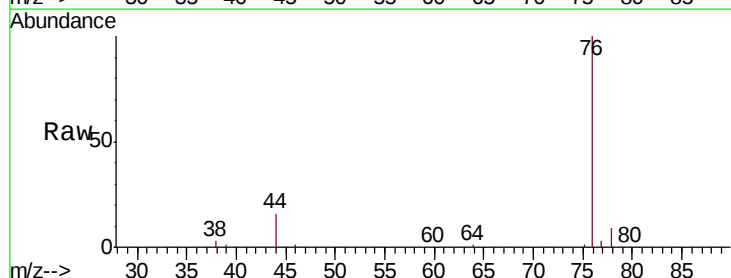
Instrument :  
MSVOA\_W  
ClientSampleId :  
BG2J6

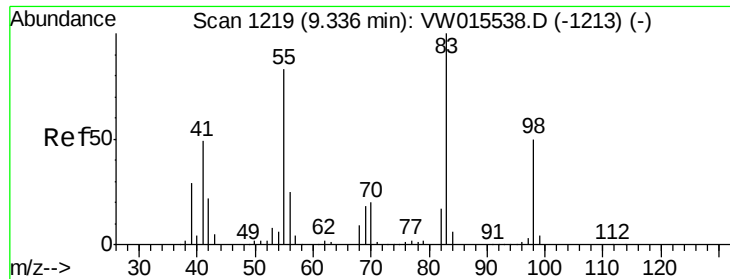
Tgt Ion: 43 Resp: 6739  
Ion Ratio Lower Upper  
43 100  
58 11.0 0.0 56.8



#14  
Carbon disulfide  
Concen: 10.819 ug/L  
RT: 4.39 min Scan# 407  
Delta R.T. 0.01 min  
Lab File: VW015570.D  
Acq: 09 Jun 2020 14:23

Tgt Ion: 76 Resp: 157042  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.3 10.9

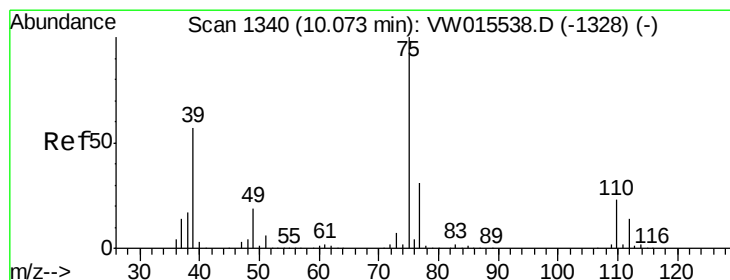
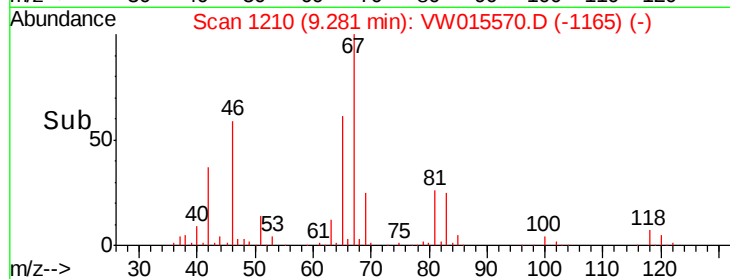
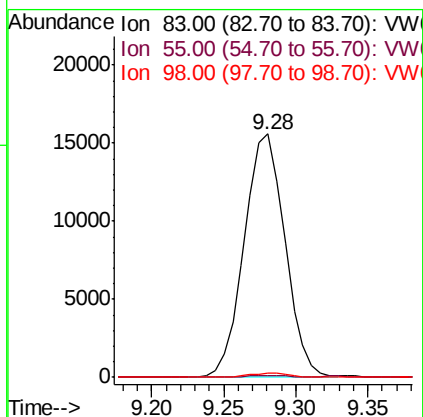
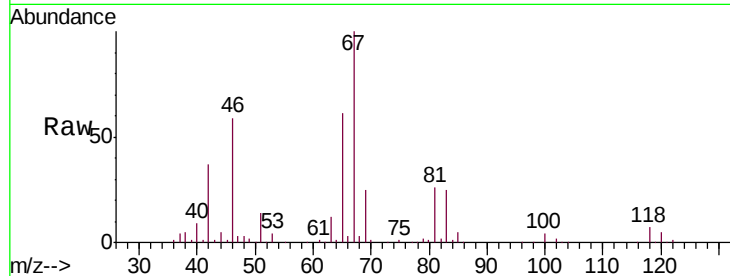




#36  
Methylcyclohexane  
Concen: 3.425 ug/L  
RT: 9.28 min Scan# 1210  
Delta R.T. -0.05 min  
Lab File: VW015570.D  
Acq: 09 Jun 2020 14:23

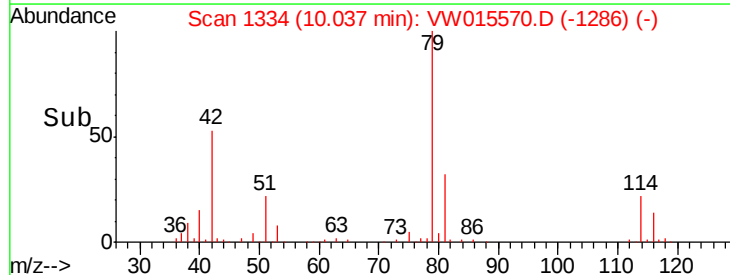
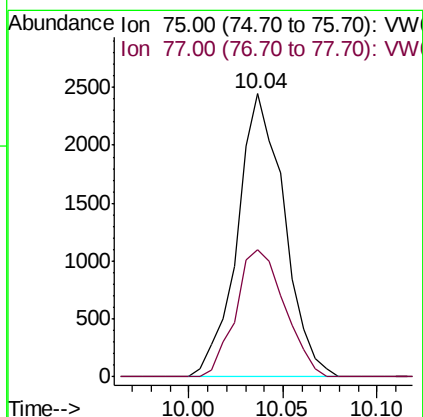
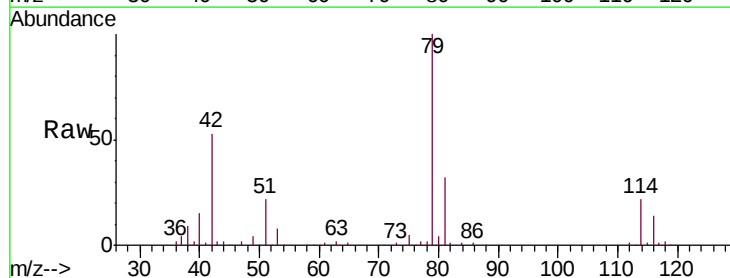
Instrument :  
MSVOA\_W  
ClientSampleId :  
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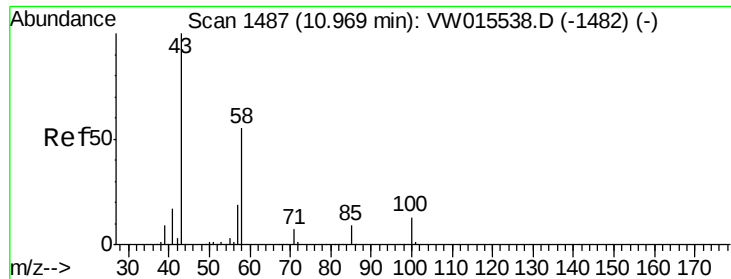
Tgt Ion: 83 Resp: 30725  
Ion Ratio Lower Upper  
83 100  
55 0.9 62.8 94.2#  
98 1.6 39.2 58.8#



#42  
cis-1,3-Dichloropropene  
Concen: 0.572 ug/L  
RT: 10.04 min Scan# 1334  
Delta R.T. -0.04 min  
Lab File: VW015570.D  
Acq: 09 Jun 2020 14:23

Tgt Ion: 75 Resp: 4218  
Ion Ratio Lower Upper  
75 100  
77 45.0 22.3 41.5#





#49

2-Hexanone

Concen: 3.568 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW015570.D

Acq: 09 Jun 2020 14:23

Instrument :

MSVOA\_W

ClientSampleId :

BG2J6

Tgt Ion: 43 Resp: 6510

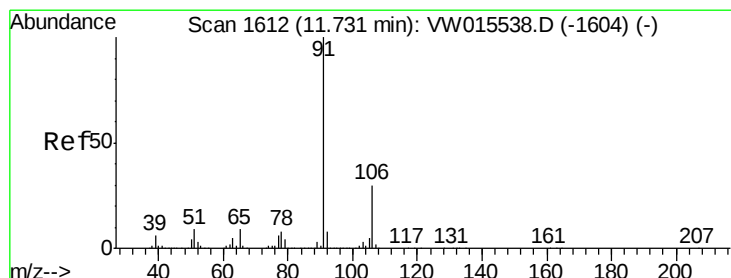
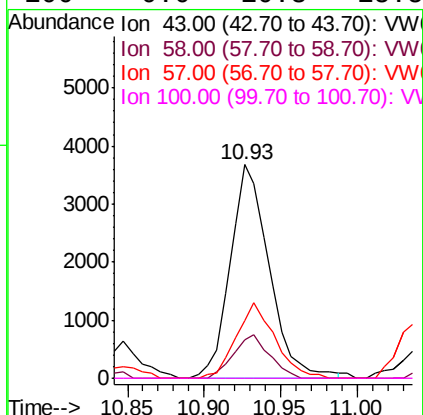
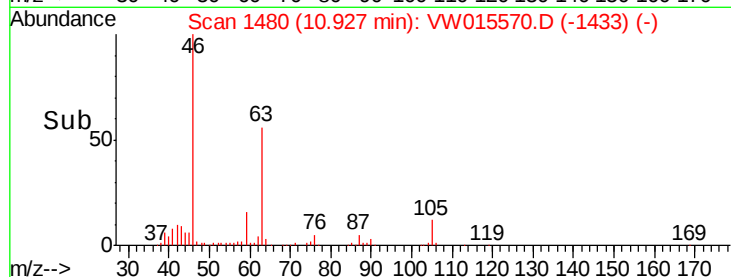
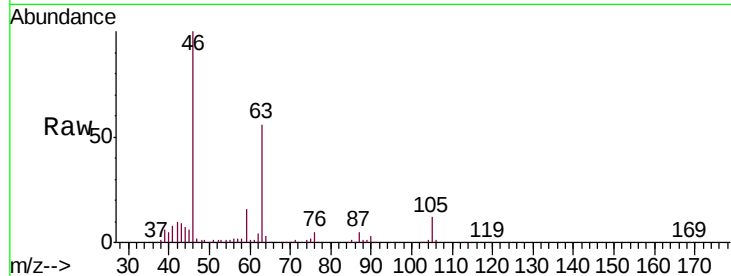
Ion Ratio Lower Upper

43 100

58 18.6 42.6 64.0#

57 35.1 15.5 23.3#

100 0.0 10.3 15.5#



#53

Ethylbenzene

Concen: 0.462 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

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Tgt Ion: 91 Resp: 10816

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6

