

Data File : VV008727.D  
Acq On : 27 Nov 2018 11:12  
Operator : SY/MD  
Sample : VV1127WBL01  
Misc : 5.0 mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK72

Quant Time: Nov 28 02:11:43 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112018WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Nov 28 02:09:03 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 273320   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 246374   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 99034    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 81809    | 42.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.86%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 64573    | 61.30    | ug/L | 0.01    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 122.60% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 114323   | 35.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.84%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 152342   | 96.94    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.94%  |
| 24) Chloroform-d               | 4.40    | 84    | 181748   | 46.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 119506   | 47.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.68%  |
| 32) Benzene-d6                 | 5.10    | 84    | 380802   | 49.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.38%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 118849   | 49.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.22%  |
| 41) Toluene-d8                 | 7.36    | 98    | 339513   | 49.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.72%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 52486    | 48.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.96%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 98075    | 90.54    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 90.54%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 152025   | 46.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.06%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 113203   | 52.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.74% |

#### Target Compounds

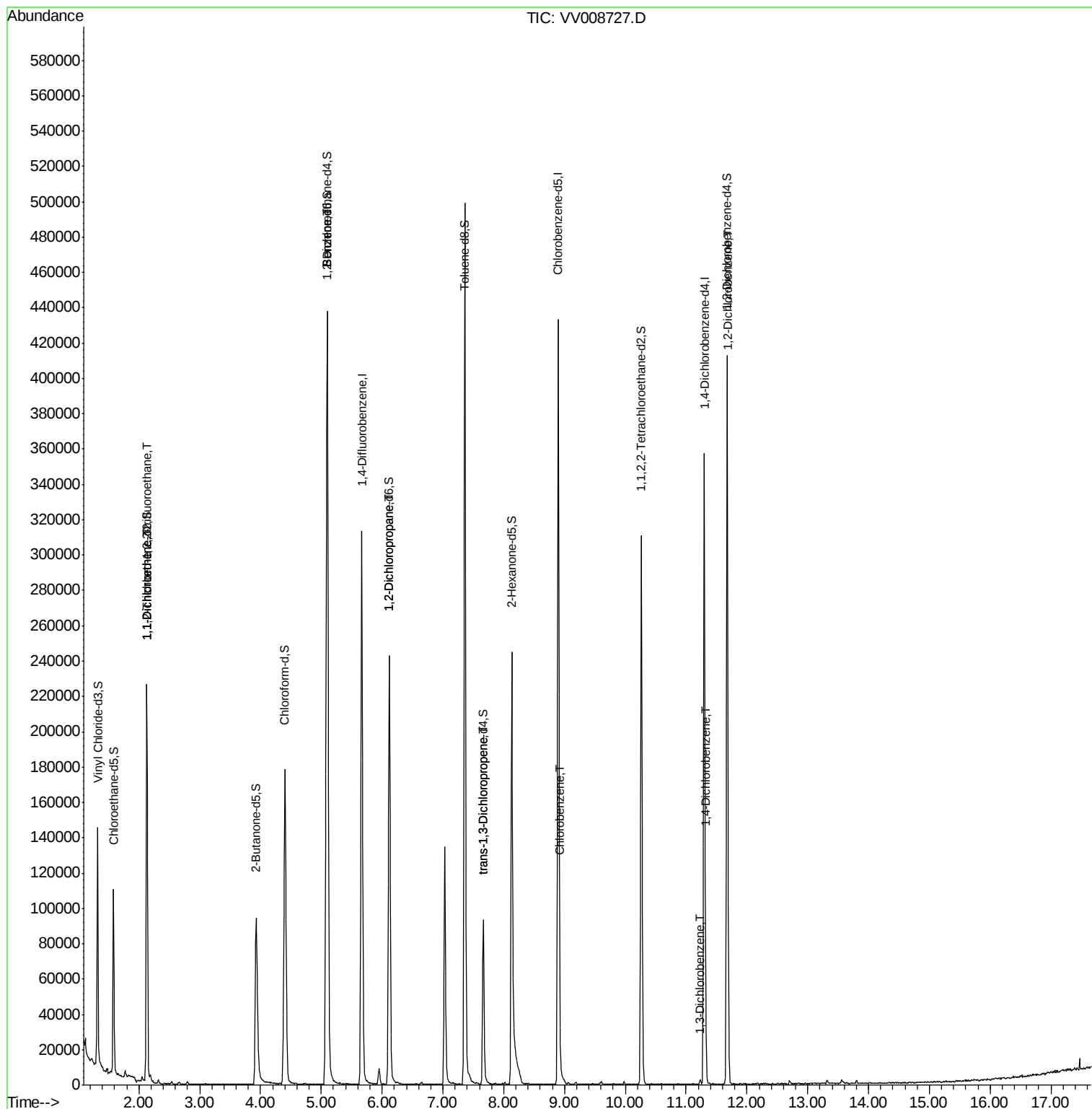
|                                |       |     |       |       |        | Qvalue |
|--------------------------------|-------|-----|-------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13  | 101 | 1162  | 0.752 | ug/L # | 27     |
| 12) 1,1-Dichloroethene         | 2.14  | 96  | 1216  | 0.876 | ug/L # | 1      |
| 33) Benzene                    | 5.11  | 78  | 3134  | 0.396 | ug/L   | 100    |
| 37) 1,2-Dichloropropane        | 6.12  | 63  | 12659 | 5.917 | ug/L # | 94     |
| 44) trans-1,3-Dichloropropene  | 7.67  | 75  | 2765  | 1.000 | ug/L   | 83     |
| 51) Chlorobenzene              | 8.93  | 112 | 3011  | 0.575 | ug/L # | 84     |
| 62) 1,3-Dichlorobenzene        | 11.23 | 146 | 1410  | 0.425 | ug/L   | 92     |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146 | 3524  | 1.042 | ug/L   | 95     |
| 65) 1,2-Dichlorobenzene        | 11.69 | 146 | 1523  | 0.445 | ug/L # | 74     |

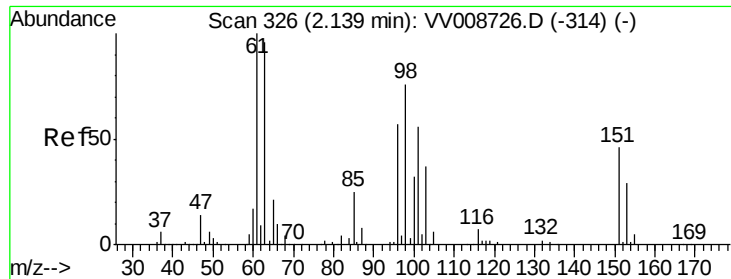
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.752 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV008727.D

Acq: 27 Nov 2018 11:12

Instrument :

MSVOA\_V

ClientSampleId :

VBLK72

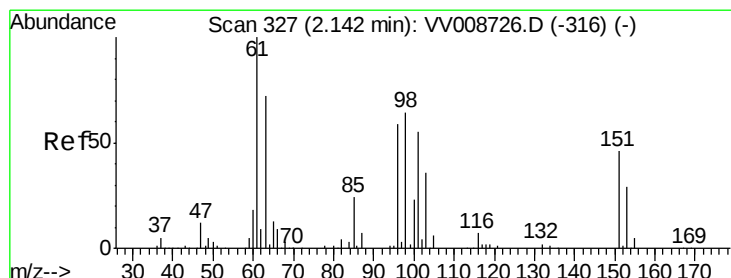
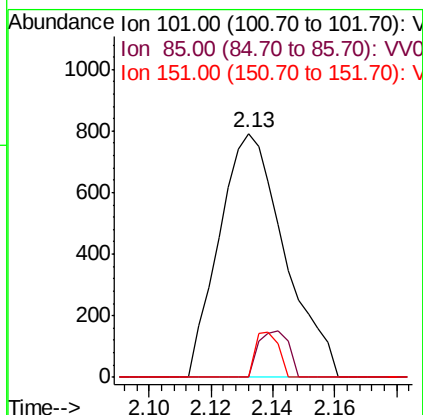
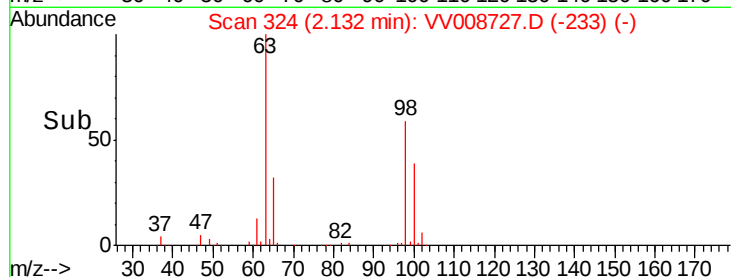
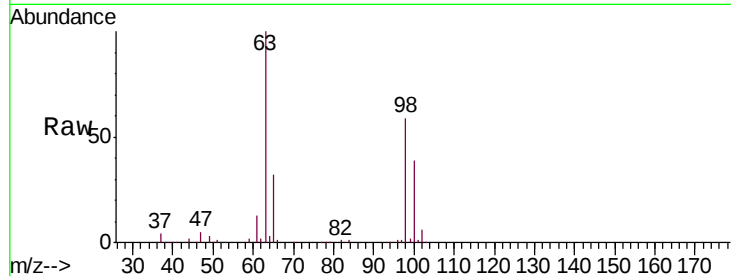
Tgt Ion: 101 Resp: 1162

Ion Ratio Lower Upper

101 100

85 8.8 37.0 55.6#

151 6.6 63.8 95.8#



#12

1,1-Dichloroethene

Concen: 0.876 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV008727.D

Acq: 27 Nov 2018 11:12

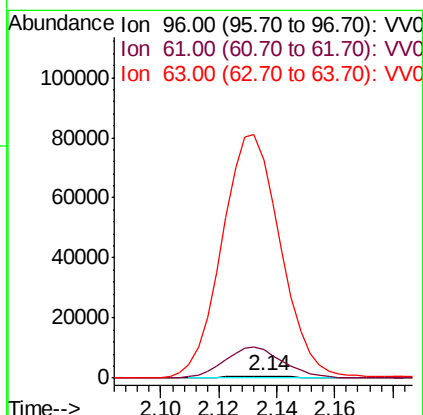
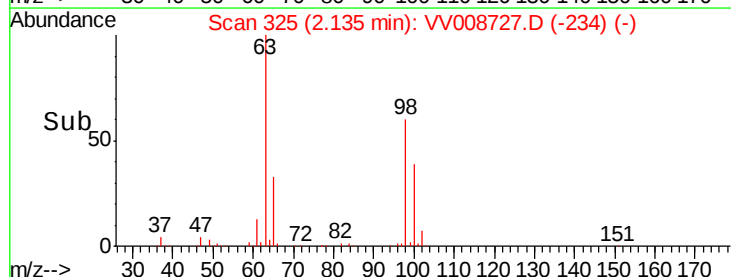
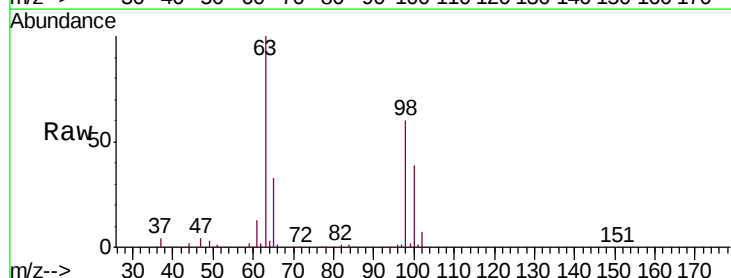
Tgt Ion: 96 Resp: 1216

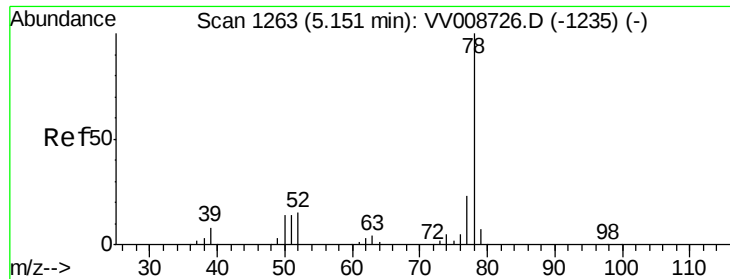
Ion Ratio Lower Upper

96 100

61 1202.2 120.3 223.3#

63 9353.0 113.3 210.5#





#33

Benzene

Concen: 0.396 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.05 min

Lab File: VV008727.D

Acq: 27 Nov 2018 11:12

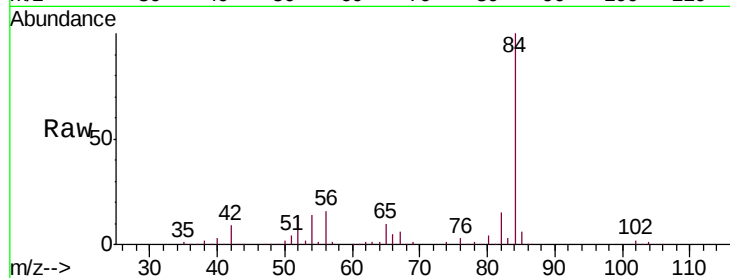
Instrument :

MSVOA\_V

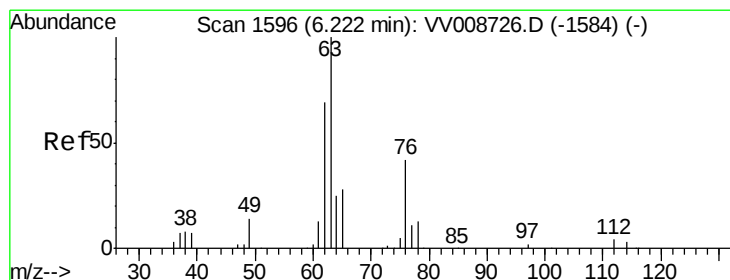
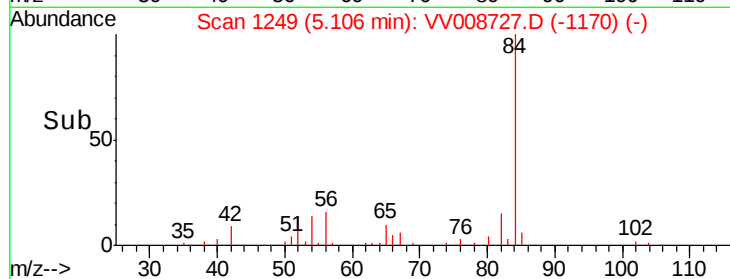
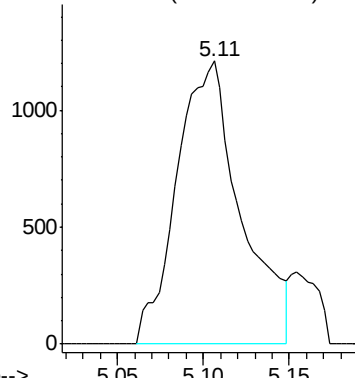
ClientSampled :

VBLK72

Tgt Ion: 78 Resp: 3134



Abundance Ion 78.00 (77.70 to 78.70): VV0



#37

1,2-Dichloropropane

Concen: 5.917 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.11 min

Lab File: VV008727.D

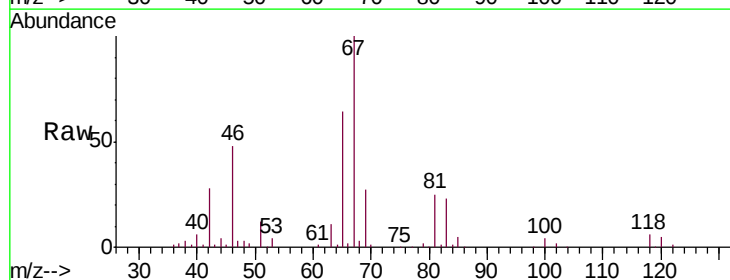
Acq: 27 Nov 2018 11:12

Tgt Ion: 63 Resp: 12659

Ion Ratio Lower Upper

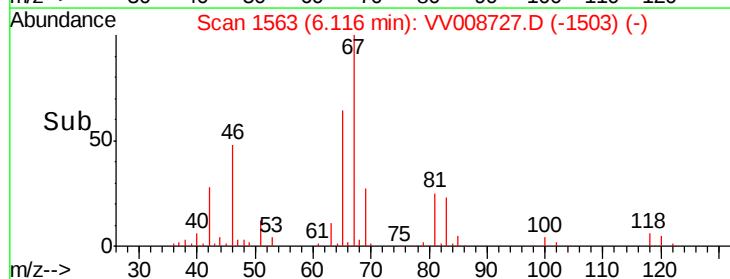
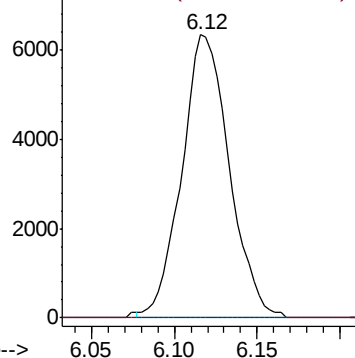
63 100

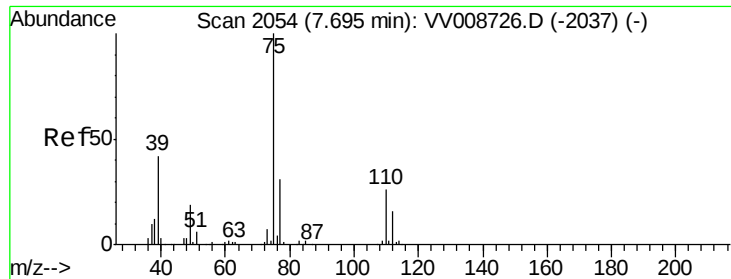
112 0.0 1.6 2.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V





#44

trans-1,3-Dichloropropene

Concen: 1.000 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008727.D

Acq: 27 Nov 2018 11:12

Instrument :

MSVOA\_V

ClientSampled :

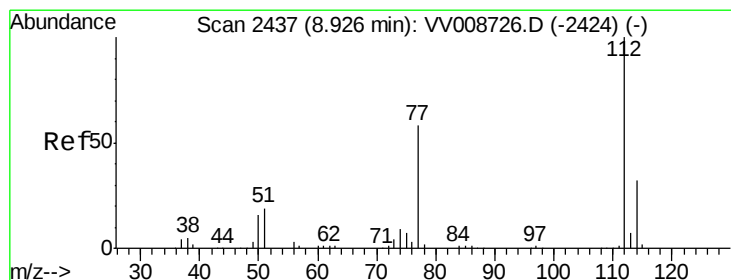
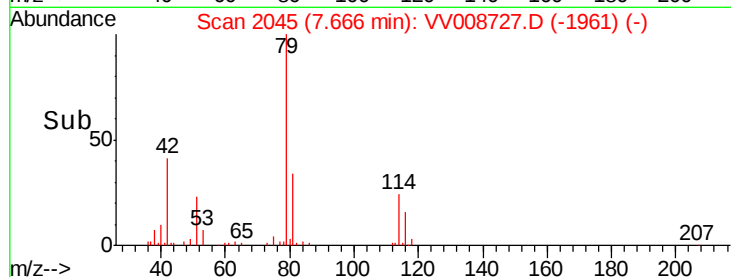
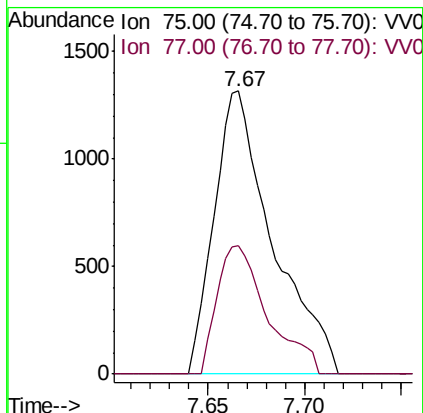
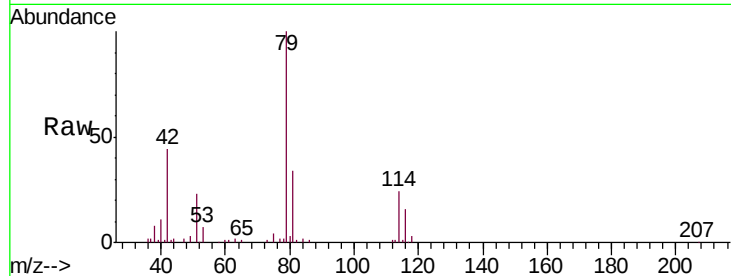
VBLK72

Tgt Ion: 75 Resp: 2765

Ion Ratio Lower Upper

75 100

77 45.3 24.6 45.8



#51

Chlorobenzene

Concen: 0.575 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV008727.D

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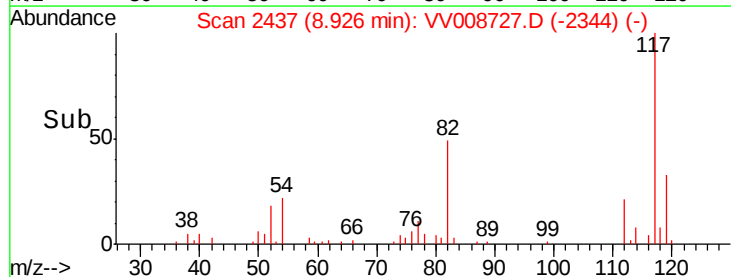
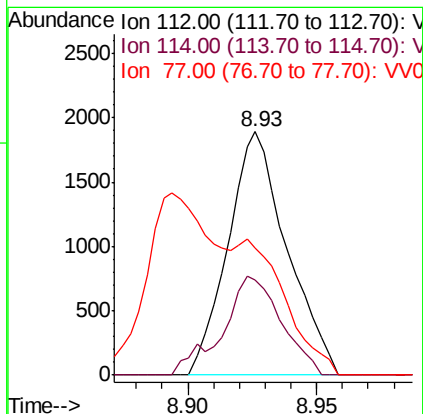
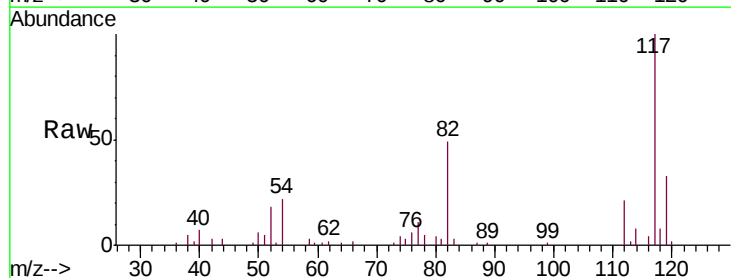
Tgt Ion: 112 Resp: 3011

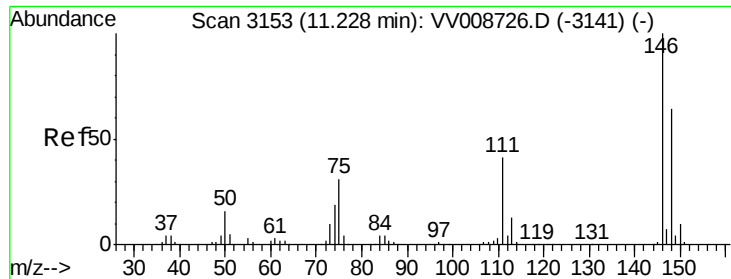
Ion Ratio Lower Upper

112 100

114 39.0 22.9 42.5

77 52.4 53.8 80.6#

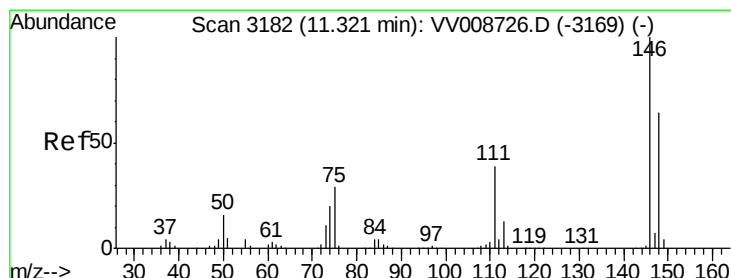
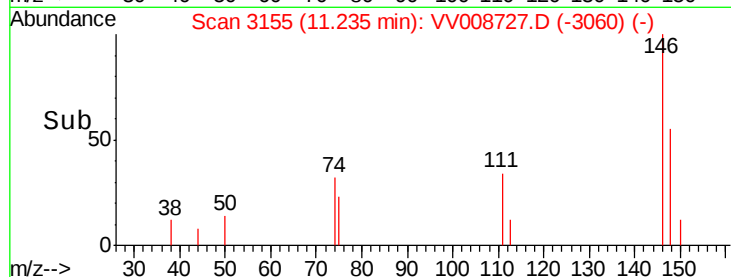
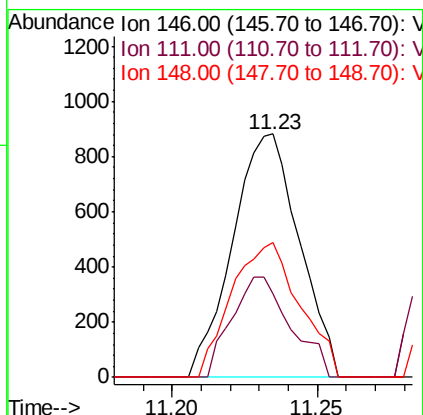
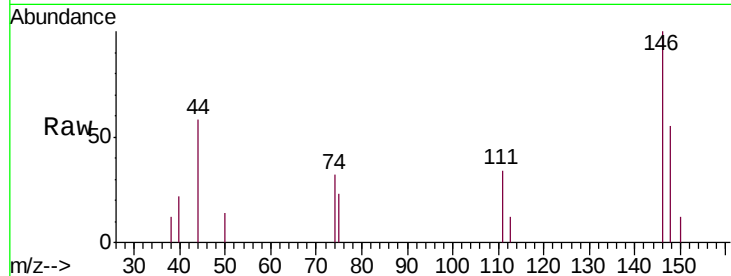




#62  
 1,3-Dichlorobenzene  
 Concen: 0.425 ug/L  
 RT: 11.23 min Scan# 3155  
 Delta R.T. 0.01 min  
 Lab File: VV008727.D  
 Acq: 27 Nov 2018 11:12

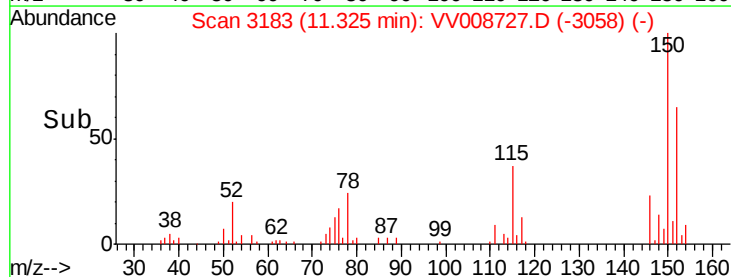
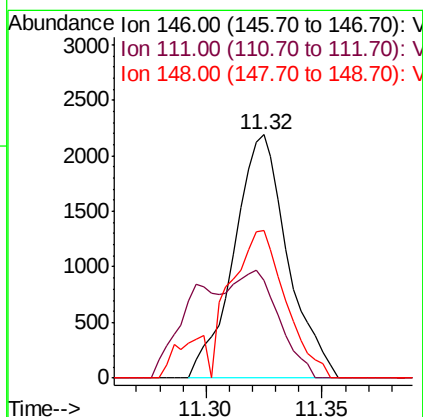
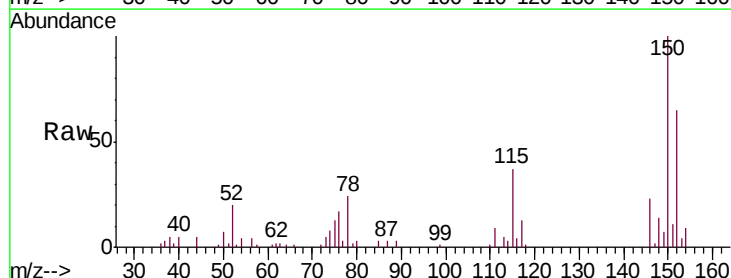
Instrument :  
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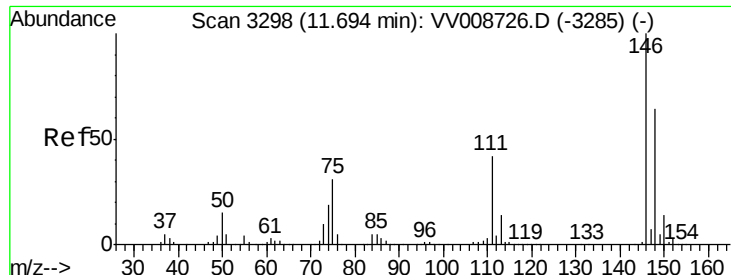
Tgt Ion:146 Resp: 1410  
 Ion Ratio Lower Upper  
 146 100  
 111 34.2 27.9 51.7  
 148 55.2 42.7 79.3



#63  
 1,4-Dichlorobenzene  
 Concen: 1.042 ug/L  
 RT: 11.32 min Scan# 3183  
 Delta R.T. 0.00 min  
 Lab File: VV008727.D  
 Acq: 27 Nov 2018 11:12

Tgt Ion:146 Resp: 3524  
 Ion Ratio Lower Upper  
 146 100  
 111 40.3 27.7 51.5  
 148 60.8 46.4 86.2





#65  
 1,2-Dichlorobenzene  
 Concen: 0.445 ug/L  
 RT: 11.69 min Scan# 3296  
 Delta R.T. -0.01 min  
 Lab File: VV008727.D  
 Acq: 27 Nov 2018 11:12

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK72

Tgt Ion:146 Resp: 1523  
 Ion Ratio Lower Upper  
 146 100  
 111 76.4 36.5 54.7#  
 148 69.5 48.7 73.1

