

Data File : VW010604.D  
Acq On : 29 May 2019 21:16  
Operator : SY/VA  
Sample : K3084-09  
Misc : 4.83G/5ML/MSVOA\_W/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TEST-PIT-10

Quant Time: May 30 08:37:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 21 06:38:43 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 115008   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 208764   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 184469   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 79773    | 50.00 | ug/l  | 0.00     |

System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 65893    | 55.51 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.02% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 63620    | 50.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.44% |      |
| 50) Toluene-d8            | 10.32  | 98  | 258513   | 53.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.84% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 93751    | 48.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.28%  |      |

Target Compounds

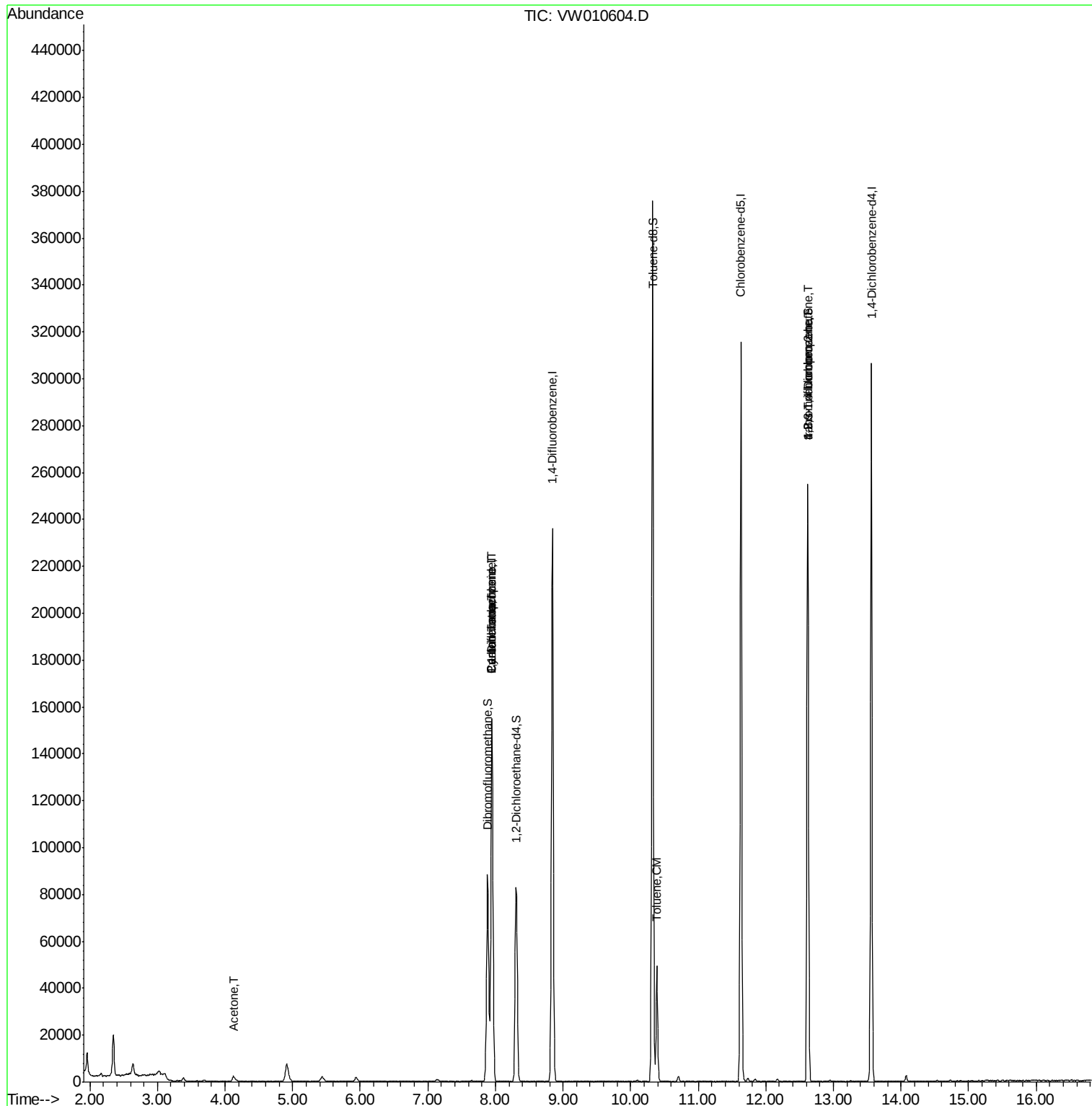
|                                |       |     |       |           |        | Qvalue |
|--------------------------------|-------|-----|-------|-----------|--------|--------|
| 16) Acetone                    | 4.14  | 43  | 4504  | 18.588    | ug/l   | 97     |
| 20) Methylene Chloride         | 4.92  | 84  | 6133  | Below Cal |        | 94     |
| 31) Cyclohexane                | 7.95  | 56  | 2387  | 1.059     | ug/l # | 32     |
| 36) 1,1-Dichloropropene        | 7.95  | 75  | 8707  | 4.477     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.95  | 117 | 12551 | 5.983     | ug/l # | 15     |
| 52) Toluene                    | 10.39 | 92  | 21859 | 6.022     | ug/l   | 99     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75  | 43982 | 54.316    | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75  | 43982 | 113.358   | ug/l # | 14     |

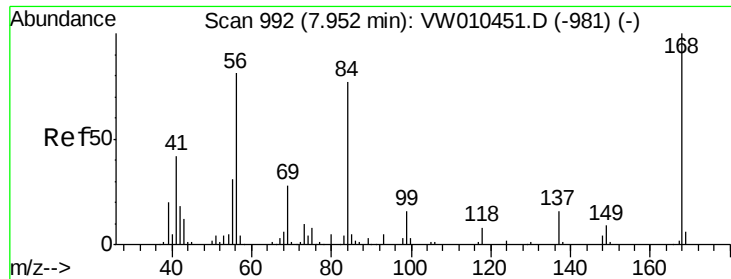
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010604.D

Acq: 29 May 2019 21:16

Instrument :

MSVOA\_W

ClientSampled :

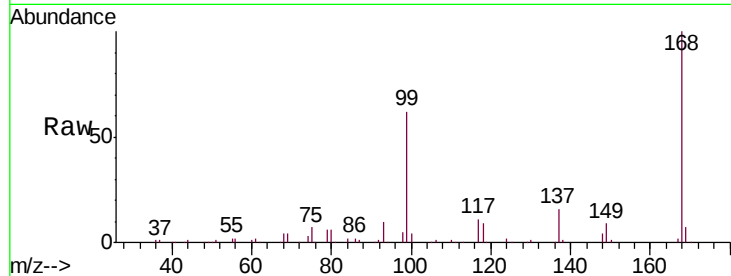
TEST-PIT-10

Tgt Ion: 168 Resp: 115008

Ion Ratio Lower Upper

168 100

99 62.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

60000

50000

40000

30000

20000

10000

0

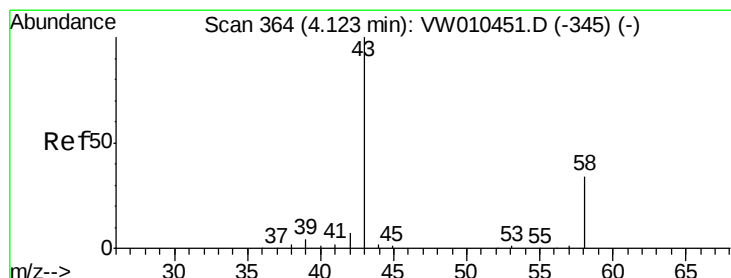
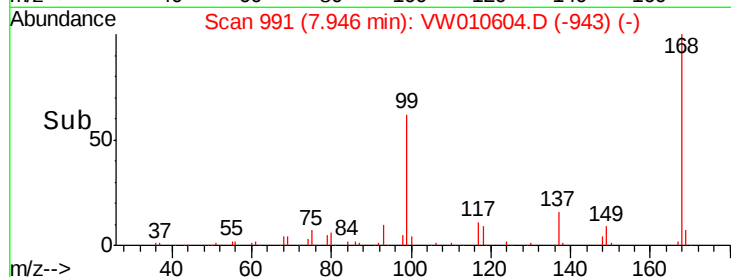
7.80

7.90

8.00

8.10

Time-->



#16

Acetone

Concen: 18.588 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010604.D

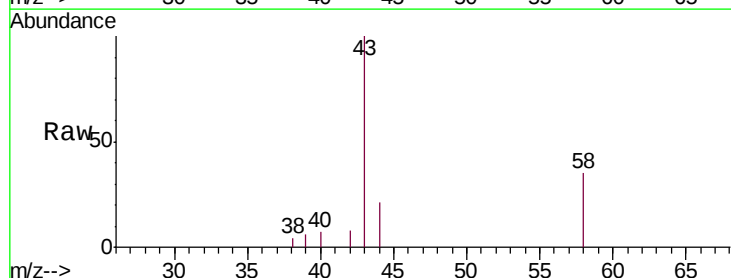
Acq: 29 May 2019 21:16

Tgt Ion: 43 Resp: 4504

Ion Ratio Lower Upper

43 100

58 35.2 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

1500

1000

500

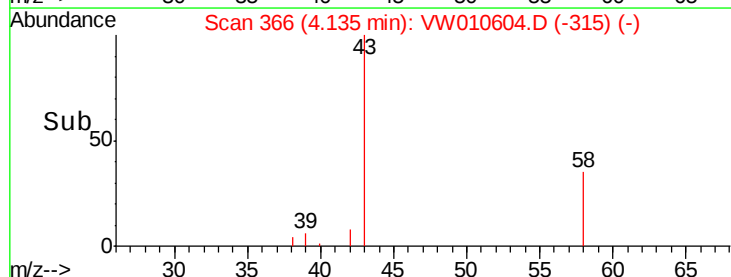
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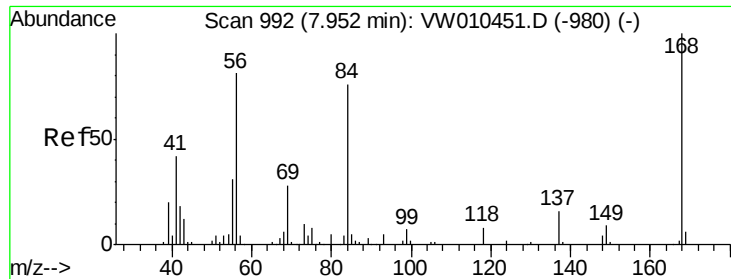
4.00

4.10

4.20

Time-->

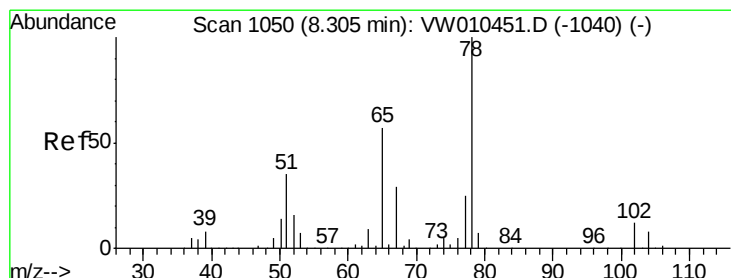
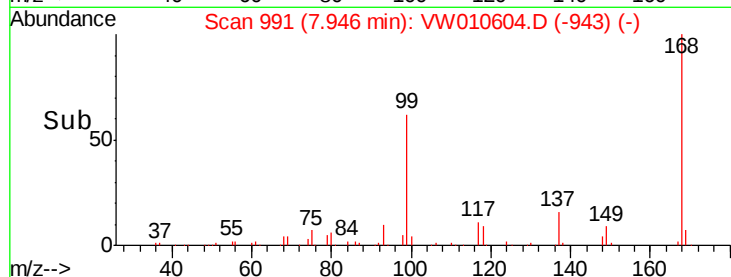
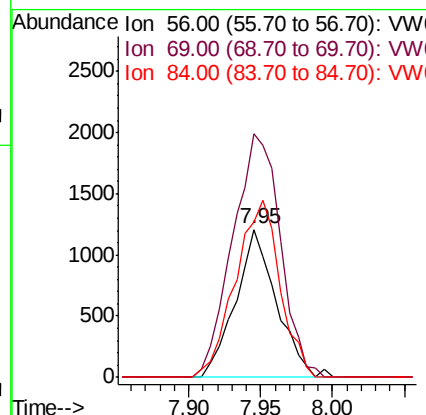
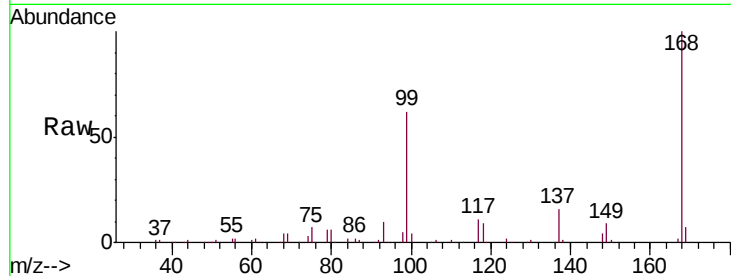




#31  
Cyclohexane  
Concen: 1.059 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: VW010604.D  
Acq: 29 May 2019 21:16

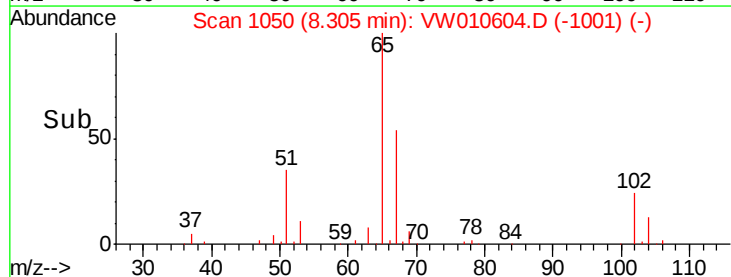
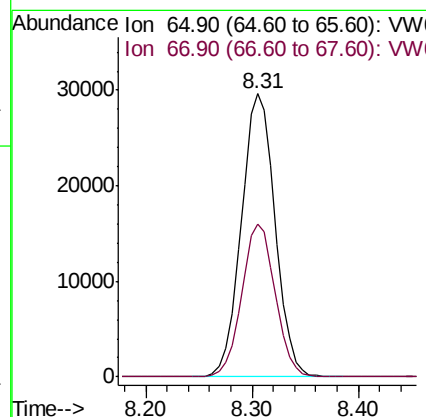
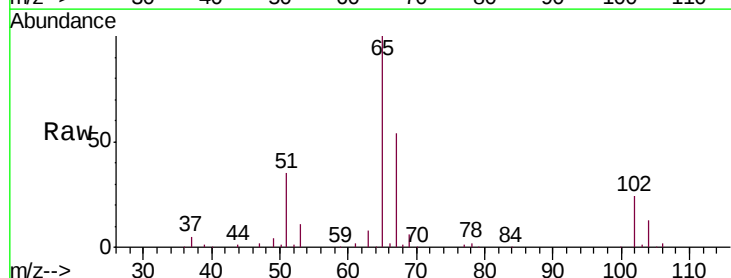
Instrument :  
MSVOA\_W  
ClientSampled :  
TEST-PIT-10

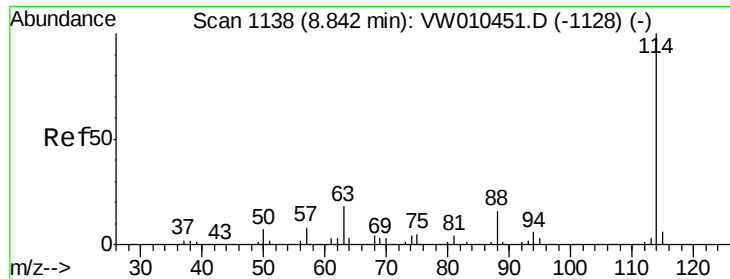
Tgt Ion: 56 Resp: 2387  
Ion Ratio Lower Upper  
56 100  
69 164.4 28.2 42.2#  
84 105.0 75.8 113.8



#33  
1,2-Dichloroethane-d4  
Concen: 55.509 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VW010604.D  
Acq: 29 May 2019 21:16

Tgt Ion: 65 Resp: 65893  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 103.6

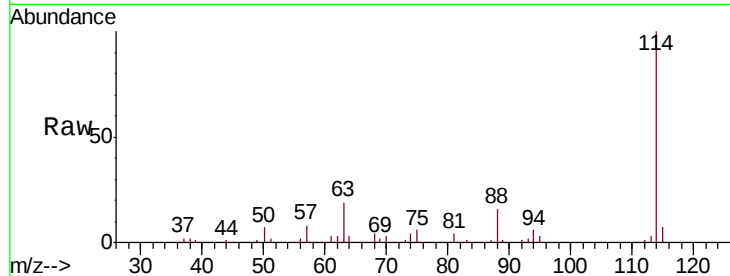




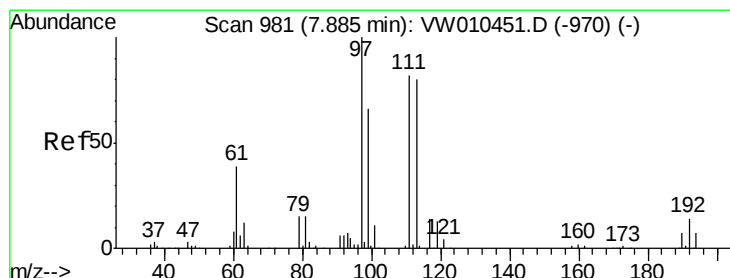
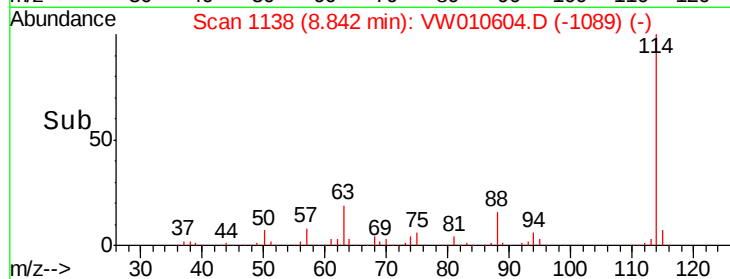
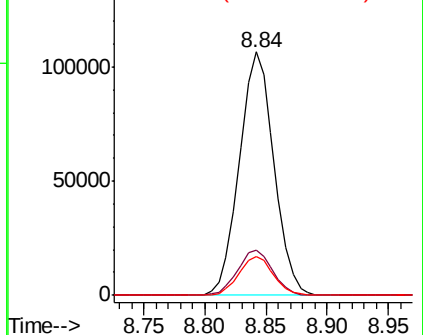
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010604.D  
 Acq: 29 May 2019 21:16

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TEST-PIT-10

Tgt Ion:114 Resp: 208764  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 36.0  
 88 16.1 0.0 32.0

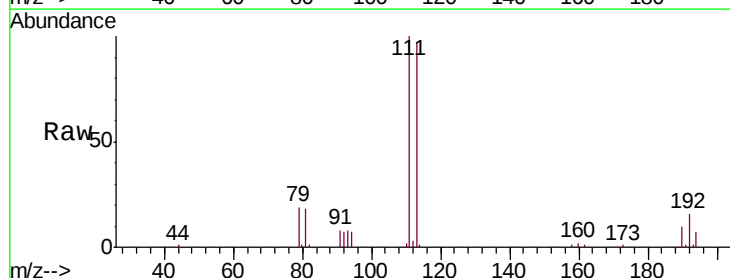


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

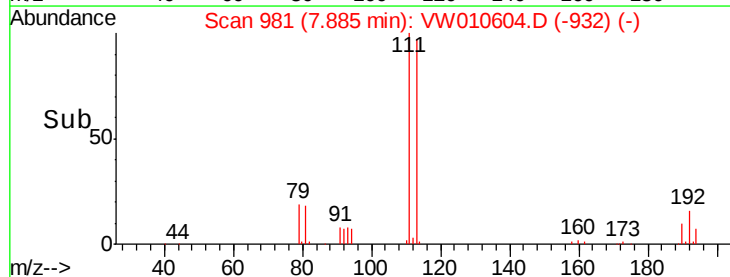
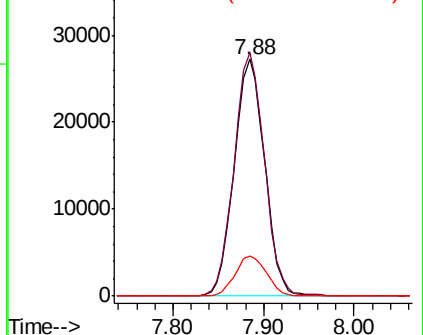


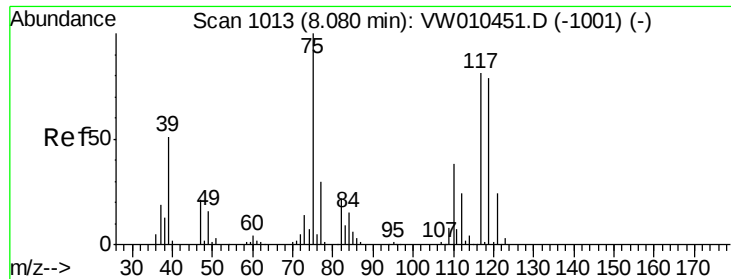
#35  
 Dibromofluoromethane  
 Concen: 50.223 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW010604.D  
 Acq: 29 May 2019 21:16

Tgt Ion:113 Resp: 63620  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 82.2 123.4  
 192 17.5 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

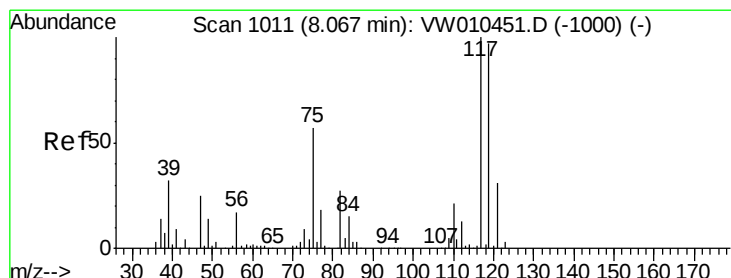
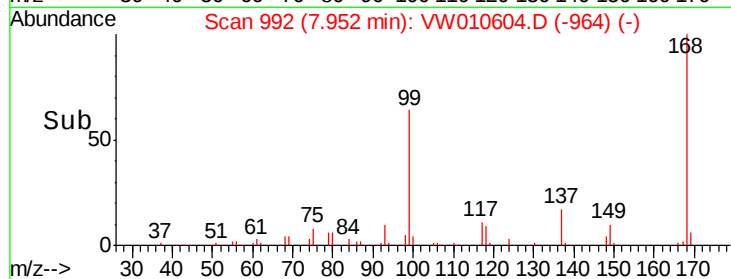
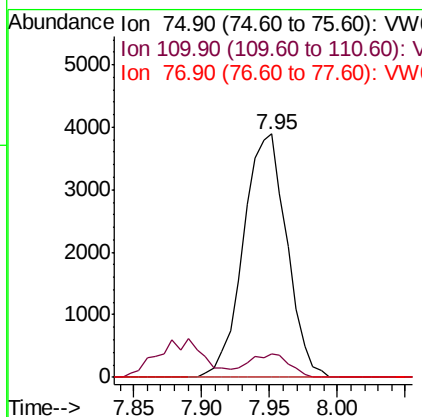
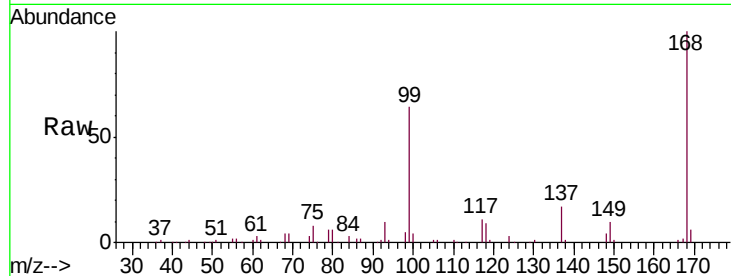




#36  
 1,1-Dichloropropene  
 Concen: 4.477 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.13 min  
 Lab File: VW010604.D  
 Acq: 29 May 2019 21:16

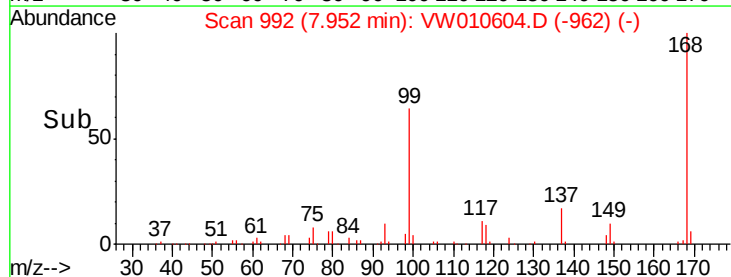
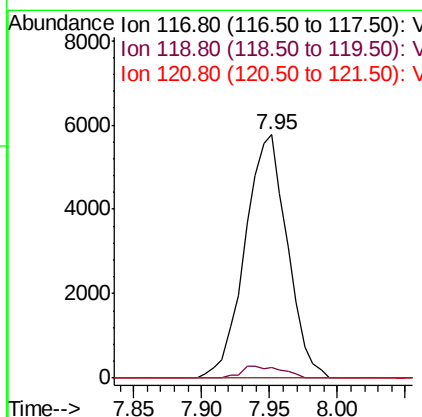
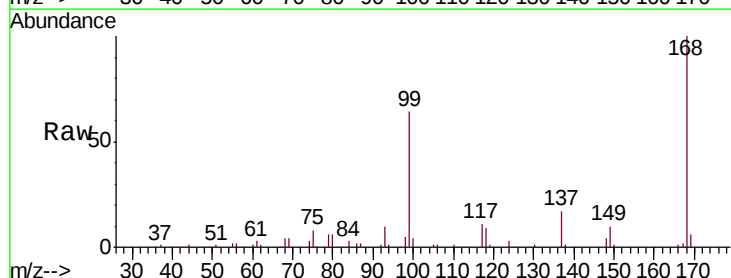
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TEST-PIT-10

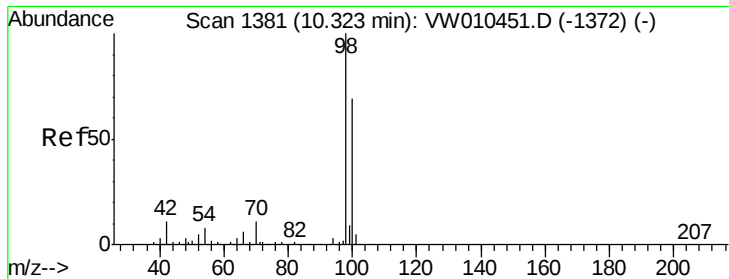
Tgt Ion: 75 Resp: 8707  
 Ion Ratio Lower Upper  
 75 100  
 110 9.1 19.2 57.6#  
 77 0.0 25.2 37.8#



#38  
 Carbon Tetrachloride  
 Concen: 5.983 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.12 min  
 Lab File: VW010604.D  
 Acq: 29 May 2019 21:16

Tgt Ion: 117 Resp: 12551  
 Ion Ratio Lower Upper  
 117 100  
 119 4.5 77.4 116.0#  
 121 0.0 25.0 37.6#

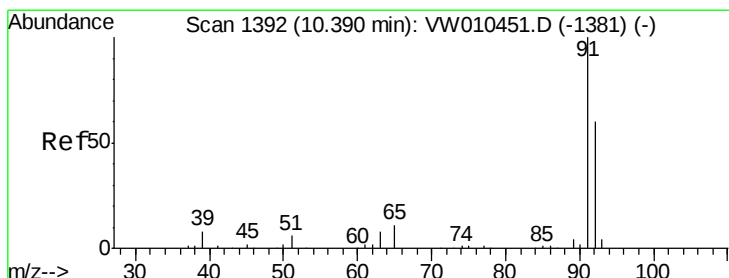
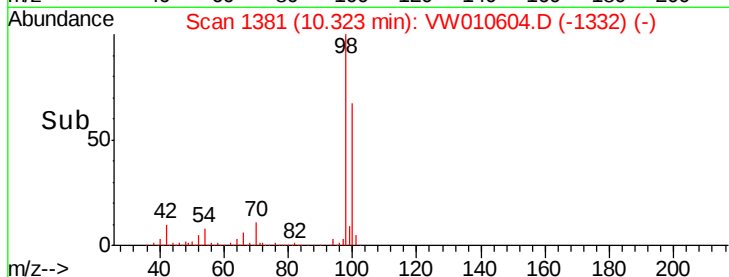
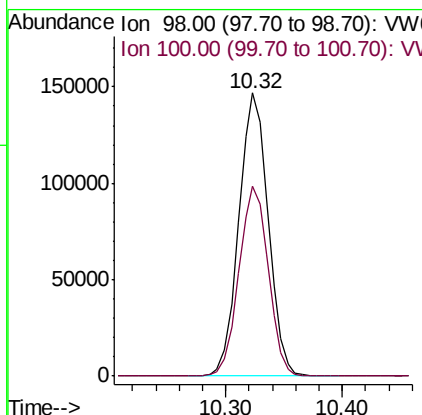
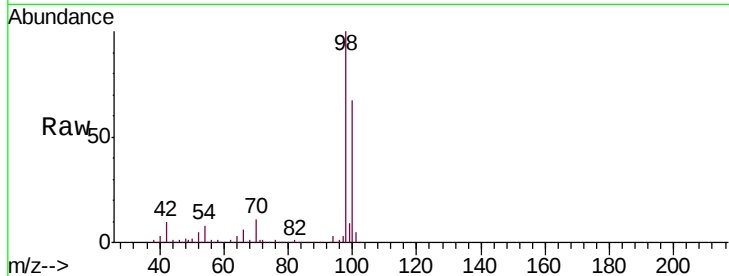




#50  
Toluene-d8  
Concen: 53.420 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW010604.D  
Acq: 29 May 2019 21:16

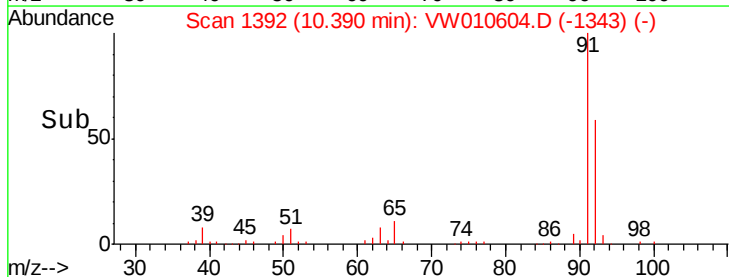
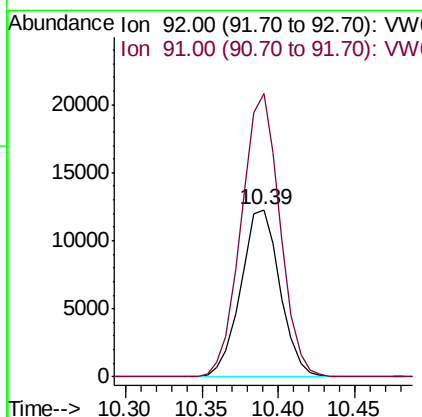
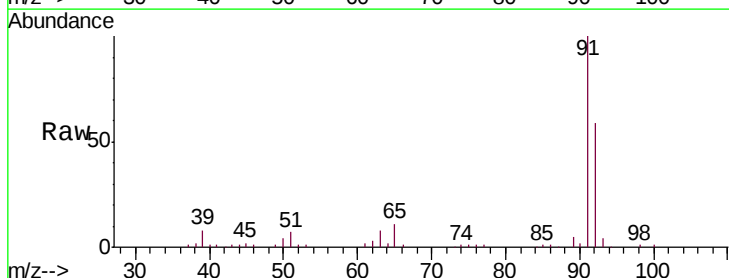
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ClientSampleId :  
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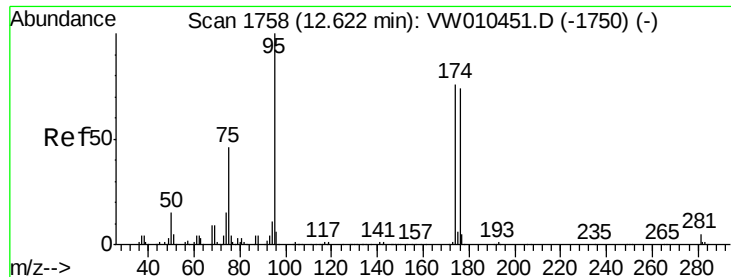
Tgt Ion: 98 Resp: 258513  
Ion Ratio Lower Upper  
98 100  
100 67.1 53.7 80.5



#52  
Toluene  
Concen: 6.022 ug/l  
RT: 10.39 min Scan# 1392  
Delta R.T. -0.00 min  
Lab File: VW010604.D  
Acq: 29 May 2019 21:16

Tgt Ion: 92 Resp: 21859  
Ion Ratio Lower Upper  
92 100  
91 167.6 135.4 203.0

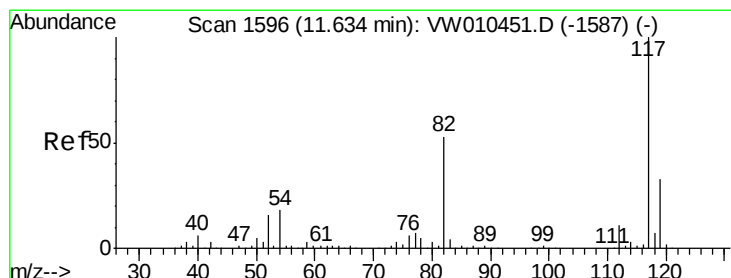
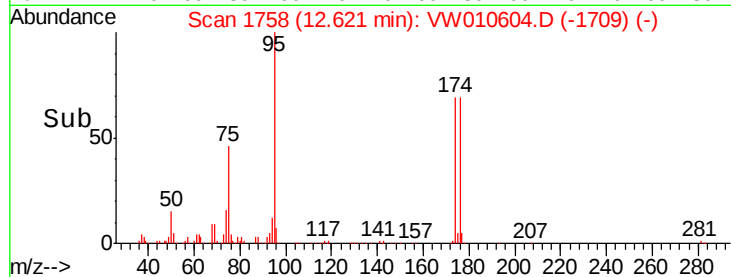
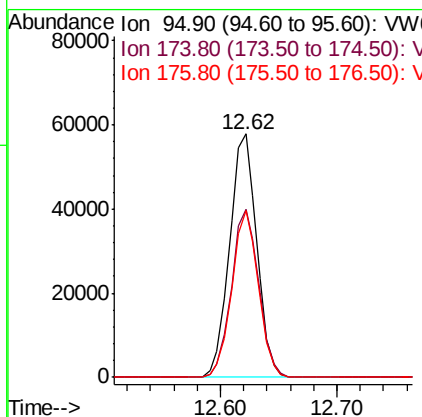
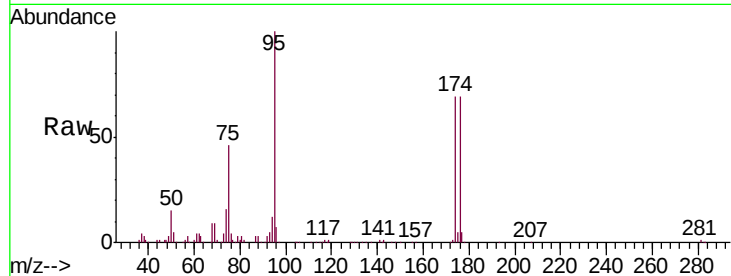




#62  
4-Bromofluorobenzene  
Concen: 48.638 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW010604.D  
Acq: 29 May 2019 21:16

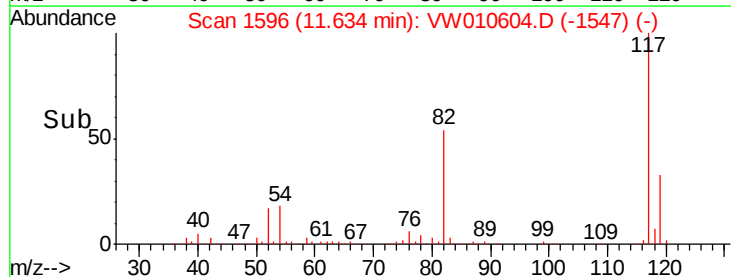
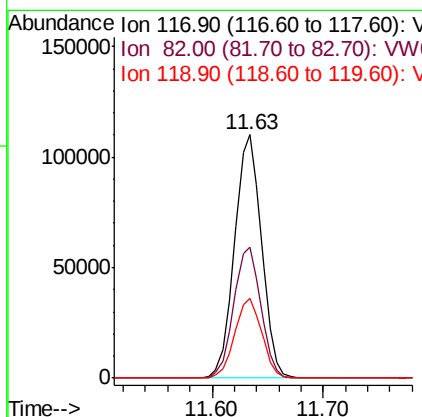
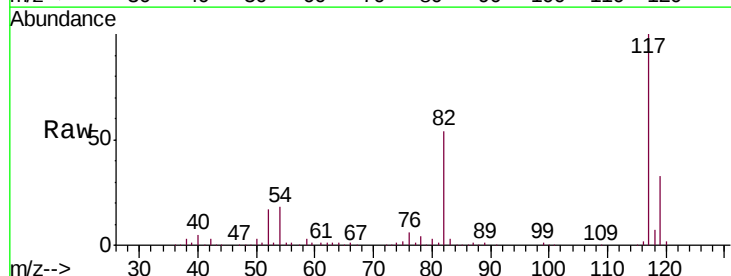
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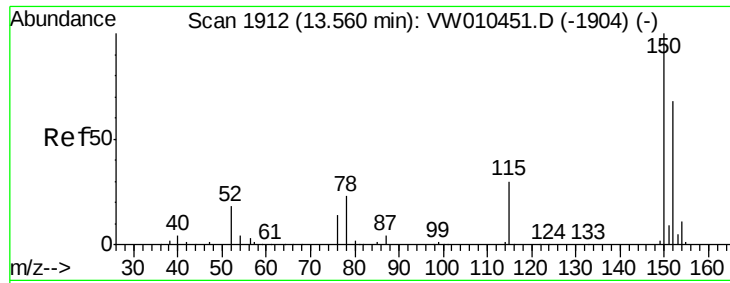
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 69.6  | 0.0   | 148.6 |
| 176     | 67.0  | 0.0   | 144.2 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW010604.D  
Acq: 29 May 2019 21:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.0  | 42.8  | 64.2  |
| 119     | 32.5  | 26.3  | 39.5  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010604.D

Acq: 29 May 2019 21:16

Instrument :

MSVOA\_W

ClientSampled :

TEST-PIT-10

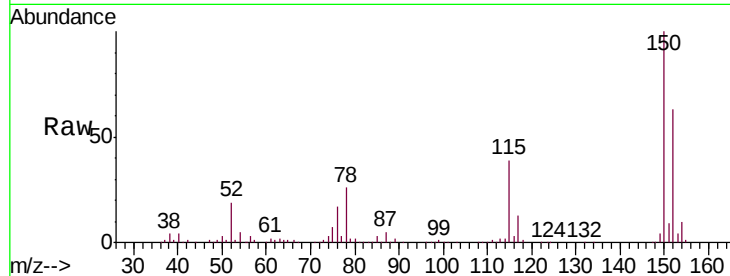
Tgt Ion:152 Resp: 79773

Ion Ratio Lower Upper

152 100

115 62.8 30.3 91.0

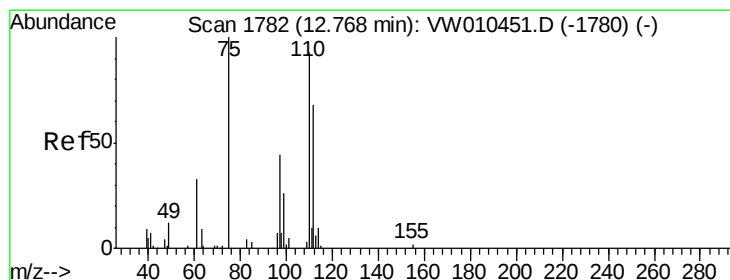
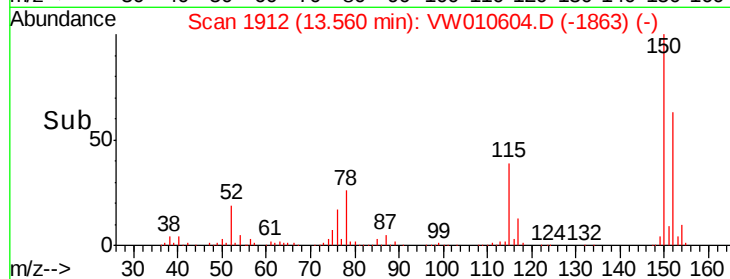
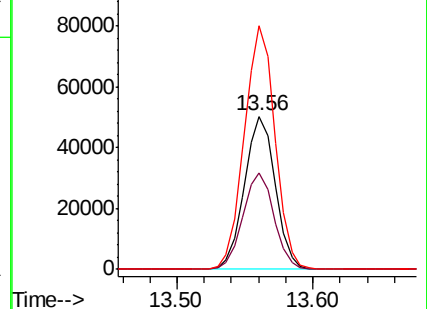
150 158.1 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 54.316 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010604.D

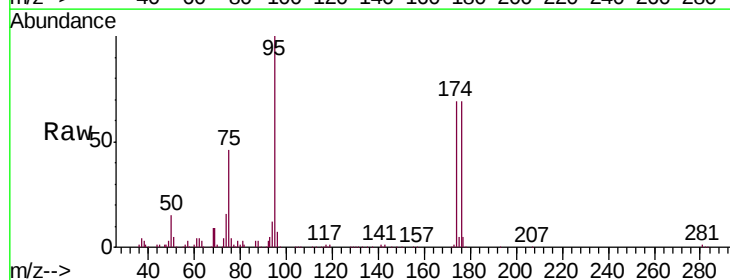
Acq: 29 May 2019 21:16

Tgt Ion: 75 Resp: 43982

Ion Ratio Lower Upper

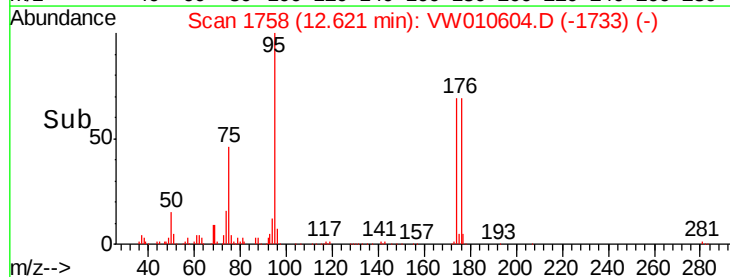
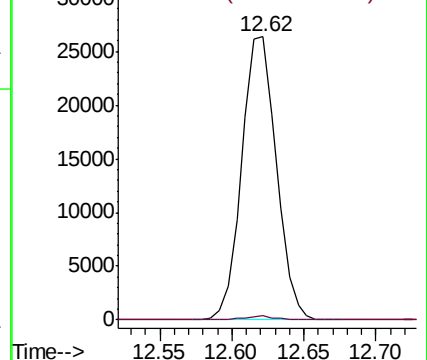
75 100

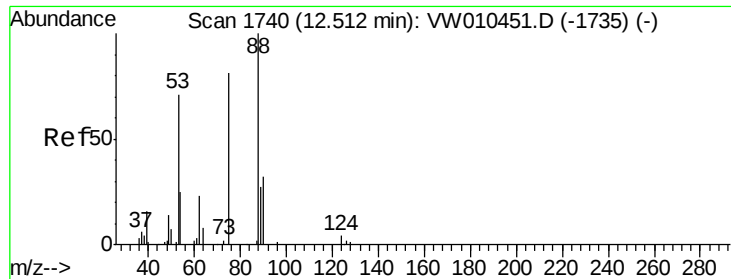
77 1.2 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 113.358 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010604.D

Acq: 29 May 2019 21:16

Instrument :

MSVOA\_W

ClientSampleId :

TEST-PIT-10

Tgt Ion: 75 Resp: 43982

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

