

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021119\  
 Data File : VW008608.D  
 Acq On : 11 Feb 2019 20:01  
 Operator : SY/VA  
 Sample : K1461-01RE  
 Misc : 4.60G/5ML/MSVOA W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TEST-PIT-3RE

Quant Time: Feb 12 06:35:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

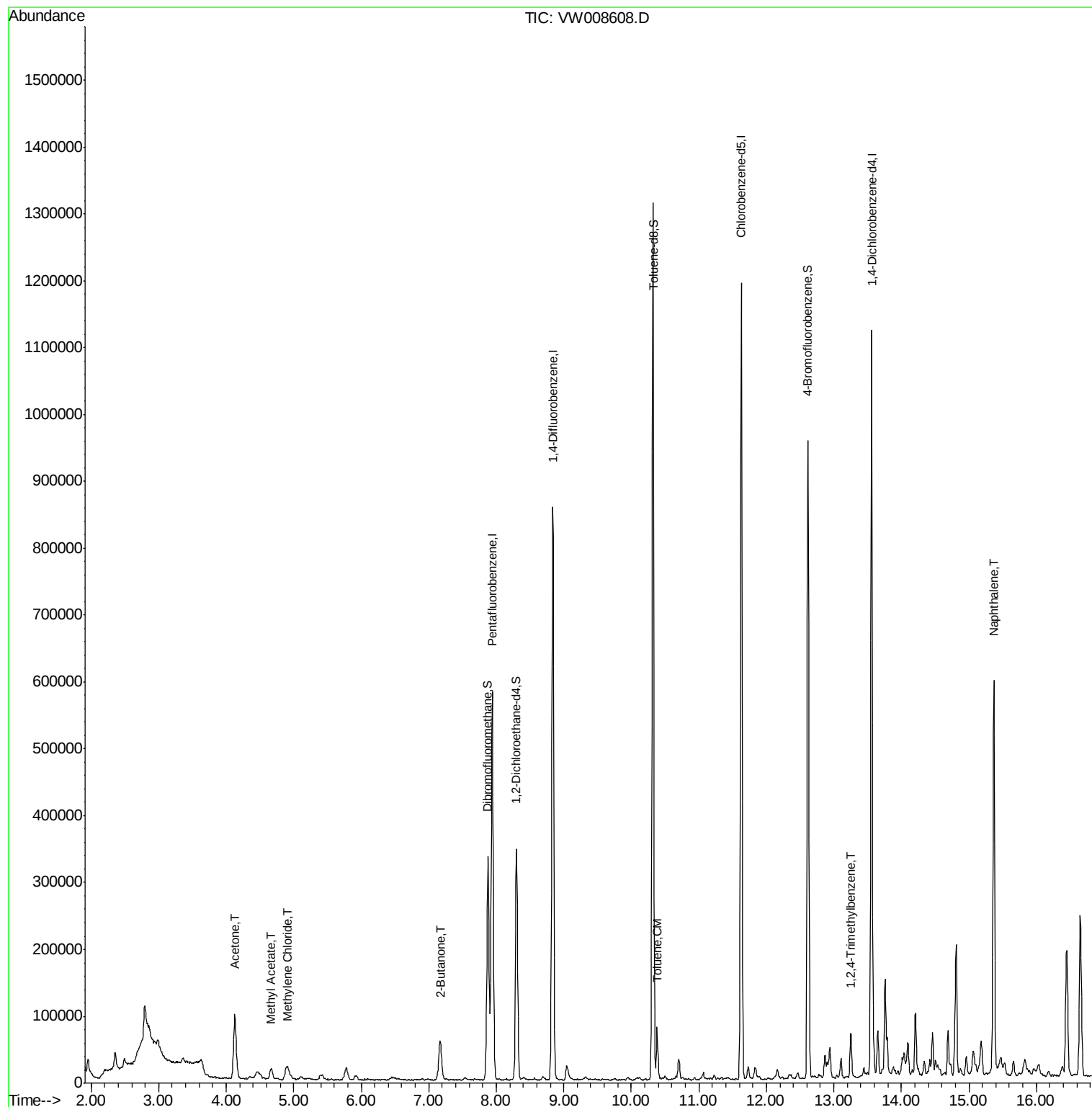
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.94  | 168  | 444328   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 717849   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 648338   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 282359   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 253143   | 57.99   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 115.98% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 225111   | 53.63   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 107.26% |          |
| 50) Toluene-d8              | 10.32 | 98   | 850102   | 50.50   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 101.00% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 298093   | 46.07   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 92.14%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 4.13  | 43   | 176996   | 180.562 | ug/l    | 97       |
| 18) Methyl Acetate          | 4.66  | 43   | 31090    | 11.891  | ug/l    | 100      |
| 20) Methylene Chloride      | 4.90  | 84   | 18300    | 4.050   | ug/l    | 88       |
| 25) 2-Butanone              | 7.18  | 43   | 66647    | 48.949  | ug/l    | 96       |
| 52) Toluene                 | 10.38 | 92   | 31842    | 2.564   | ug/l    | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.25 | 105  | 35703    | 1.996   | ug/l    | 97       |
| 95) Naphthalene             | 15.37 | 128  | 496568   | 48.241  | ug/l    | 99       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021119\  
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TEST-PIT-3RE

Quant Time: Feb 12 06:35:49 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 25 11:07:41 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008608.D

Acq: 11 Feb 2019 20:01

Instrument :

MSVOA\_W

ClientSampleId :

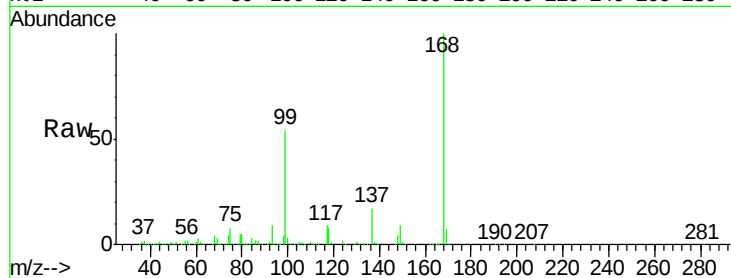
TEST-PIT-3RE

Tot Ion:168 Resp: 444328

Ion Ratio Lower Upper

168 100

99 53.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

200000

150000

100000

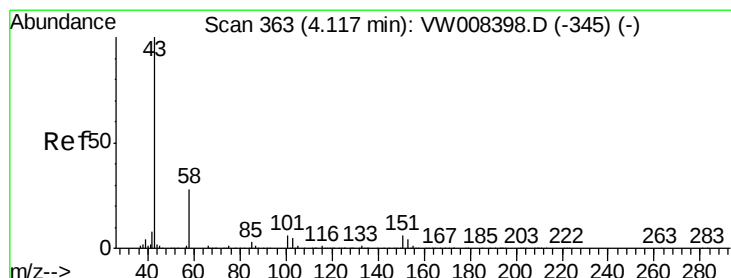
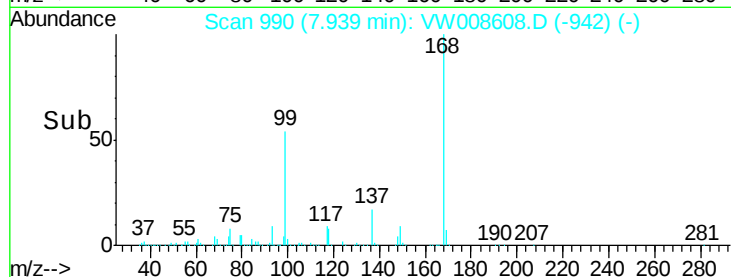
50000

0

7.90

8.00

Time-->



#16

Acetone

Concen: 180.562 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008608.D

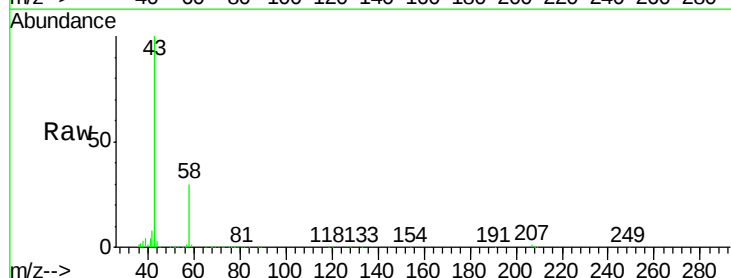
Acq: 11 Feb 2019 20:01

Tgt Ion: 43 Resp: 176996

Ion Ratio Lower Upper

43 100

58 29.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

60000

40000

20000

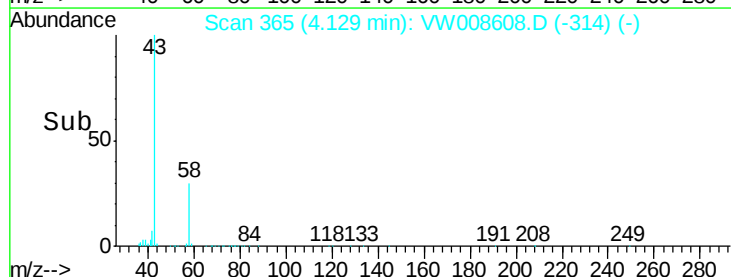
0

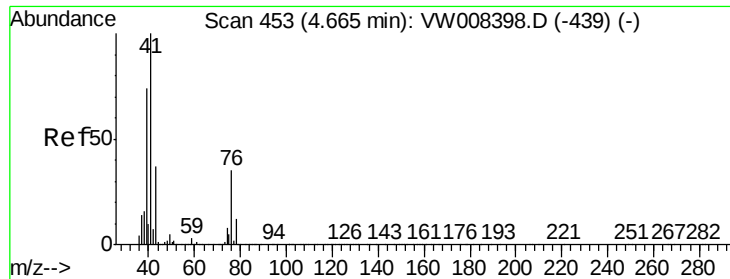
4.00

4.10

4.20

Time-->

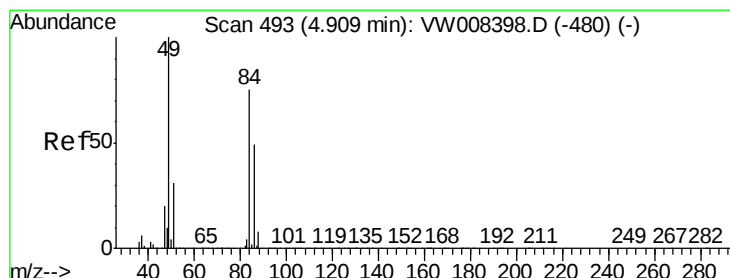
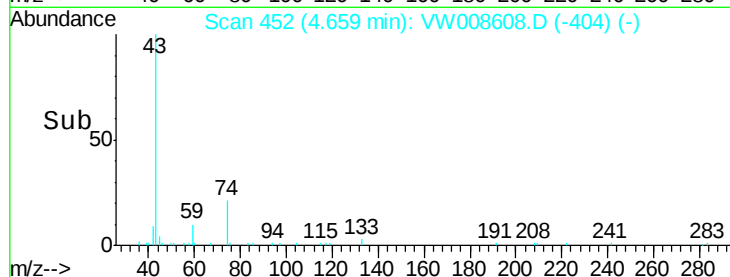
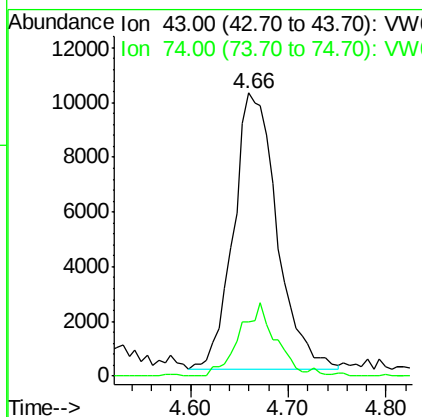
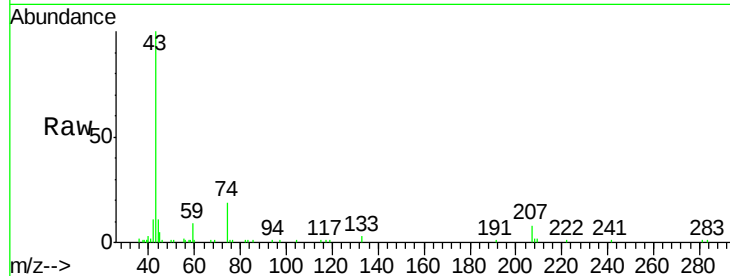




#18  
Methyl Acetate  
Concen: 11.891 ug/l  
RT: 4.66 min Scan# 452  
Delta R.T. -0.01 min  
Lab File: VW008608.D  
Acq: 11 Feb 2019 20:01

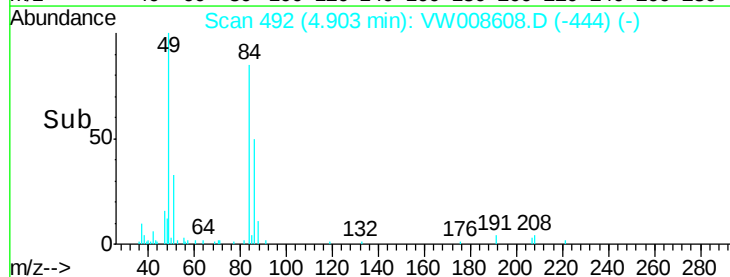
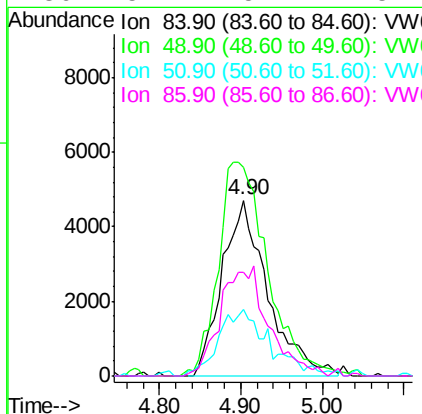
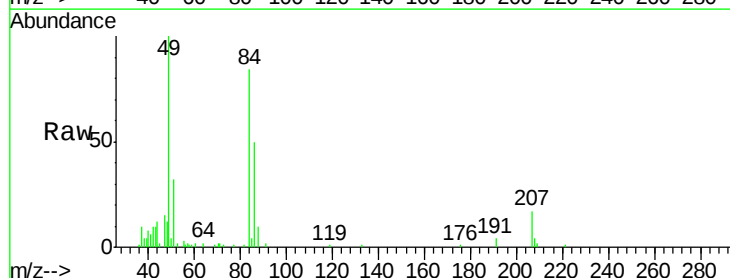
Instrument :  
MSVOA\_W  
ClientSampleId :  
TEST-PIT-3RE

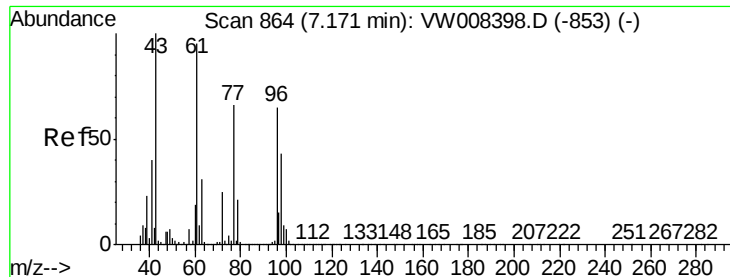
Tot Ion: 43 Resp: 31090  
Ion Ratio Lower Upper  
43 100  
74 22.0 17.5 26.3



#20  
Methylene Chloride  
Concen: 4.050 ug/l  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW008608.D  
Acq: 11 Feb 2019 20:01

Tgt Ion: 84 Resp: 18300  
Ion Ratio Lower Upper  
84 100  
49 116.6 106.8 160.2  
51 35.5 32.9 49.3  
86 57.2 52.2 78.2





#25

2-Butanone

Concen: 48.949 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008608.D

Acq: 11 Feb 2019 20:01

Instrument :

MSVOA\_W

ClientSampleId :

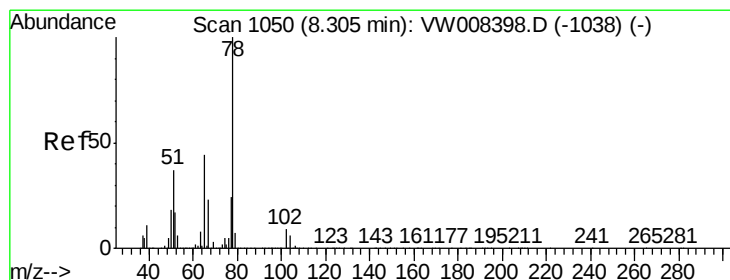
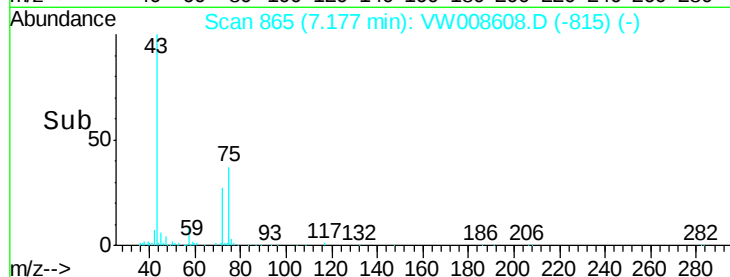
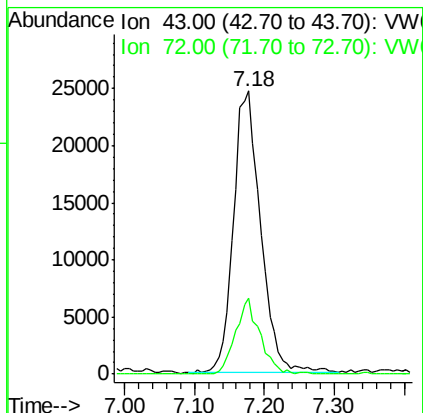
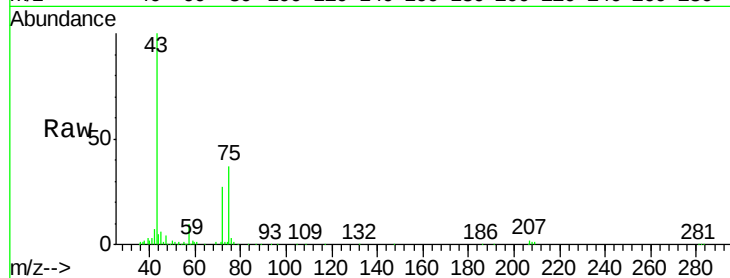
TEST-PIT-3RE

Tot Ion: 43 Resp: 66647

Ion Ratio Lower Upper

43 100

72 27.1 20.1 30.1



#33

1,2-Dichloroethane-d4

Concen: 57.992 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008608.D

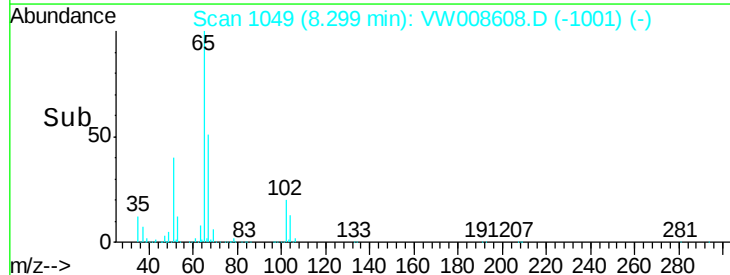
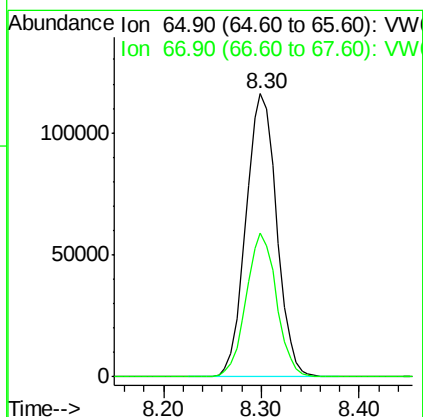
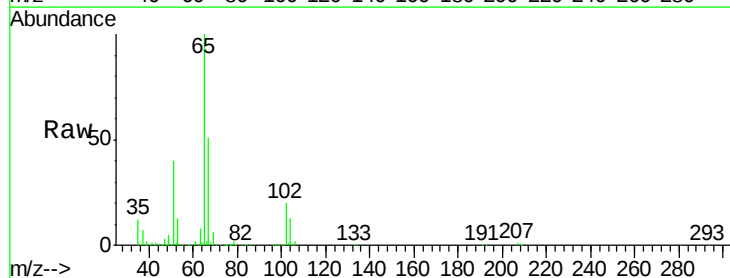
Acq: 11 Feb 2019 20:01

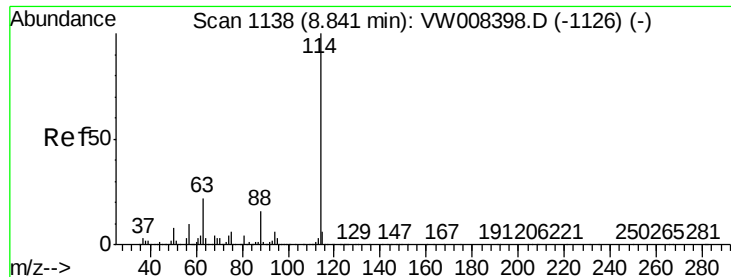
Tgt Ion: 65 Resp: 253143

Ion Ratio Lower Upper

65 100

67 50.2 0.0 104.0

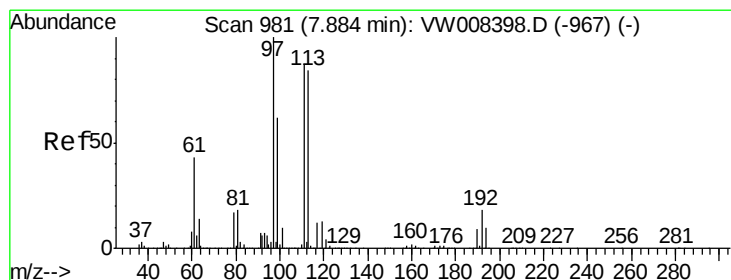
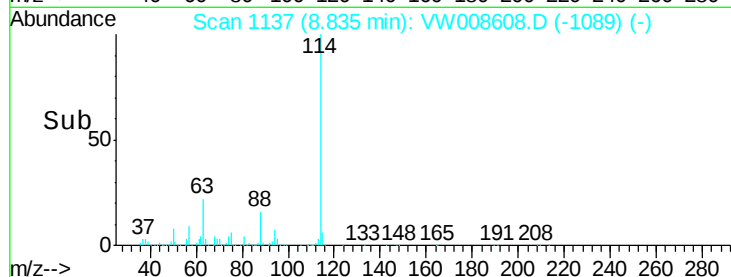
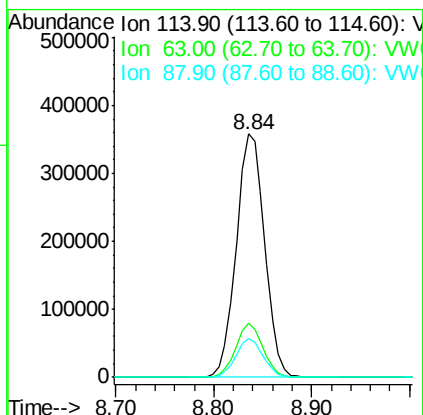
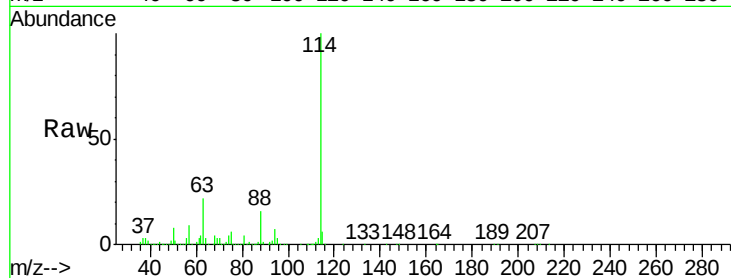




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1137  
Delta R.T. -0.01 min  
Lab File: VW008608.D  
Acq: 11 Feb 2019 20:01

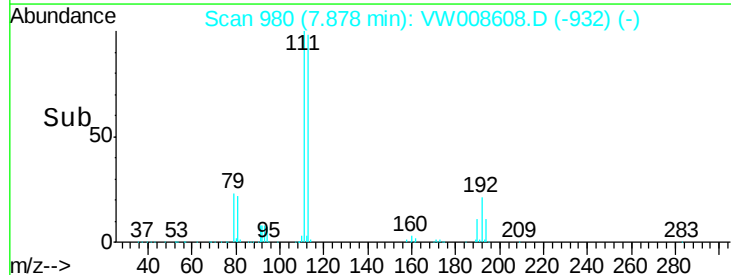
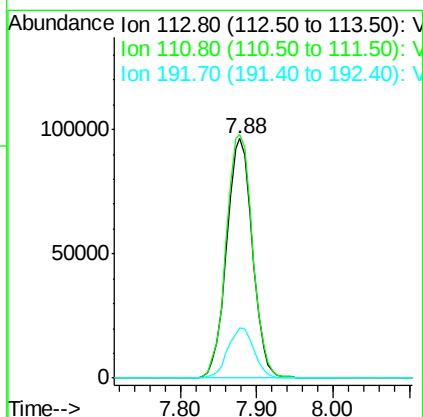
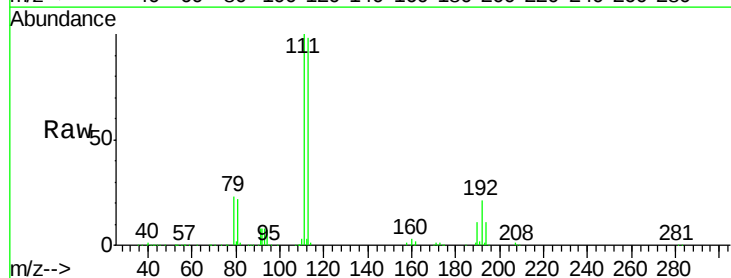
Instrument :  
MSVOA\_W  
ClientSampleId :  
TEST-PIT-3RE

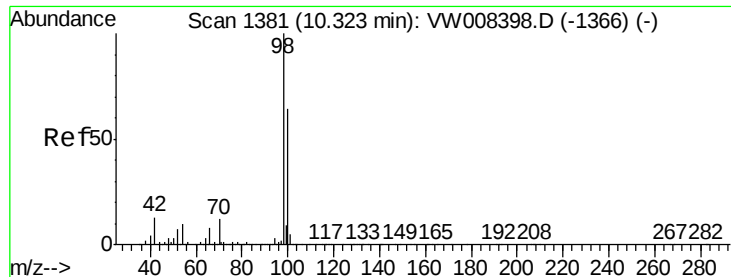
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.1  | 0.0   | 43.6  |
| 88      | 16.1  | 0.0   | 31.8  |



#35  
Dibromofluoromethane  
Concen: 53.630 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: VW008608.D  
Acq: 11 Feb 2019 20:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.2 | 81.0  | 121.4 |
| 192     | 21.3  | 16.8  | 25.2  |





#50

Toluene-d8

Concen: 50.505 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008608.D

Acq: 11 Feb 2019 20:01

Instrument :

MSVOA\_W

ClientSampleId :

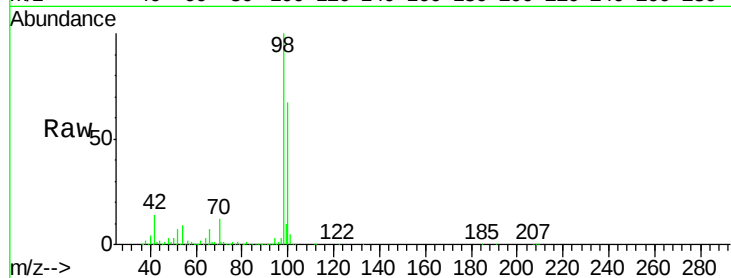
TEST-PIT-3RE

Tot Ion: 98 Resp: 850102

Ion Ratio Lower Upper

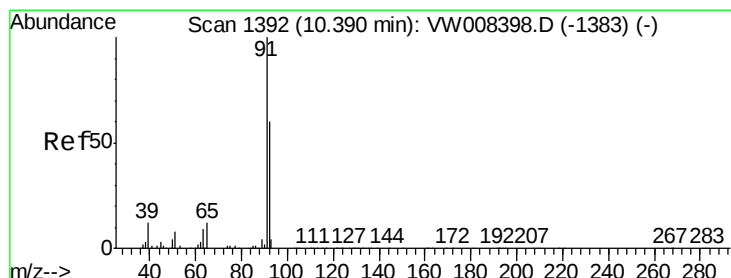
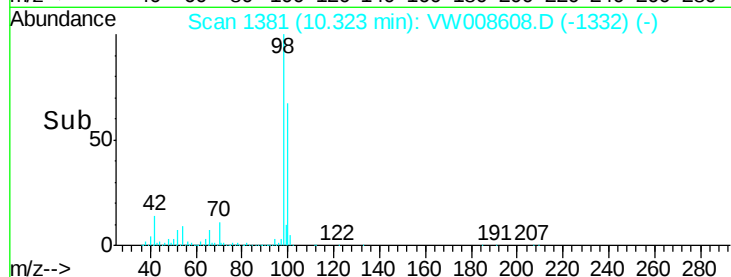
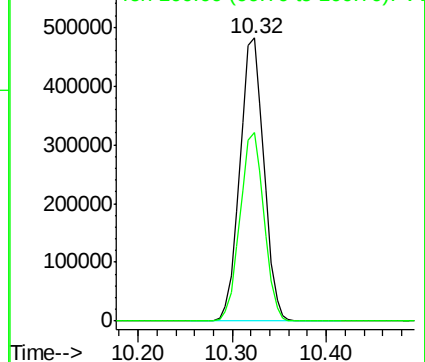
98 100

100 66.6 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 2.564 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008608.D

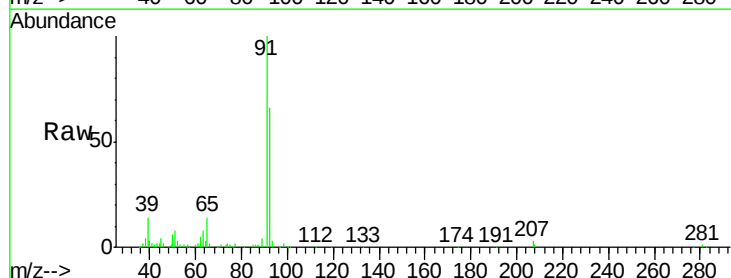
Acq: 11 Feb 2019 20:01

Tgt Ion: 92 Resp: 31842

Ion Ratio Lower Upper

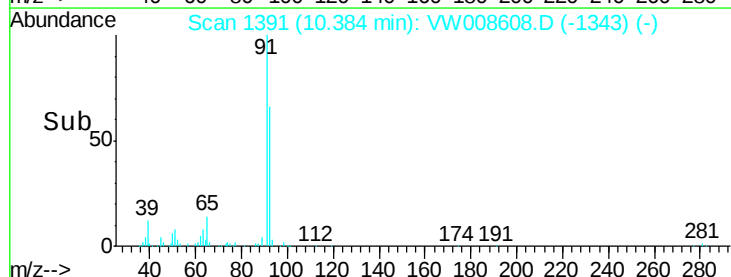
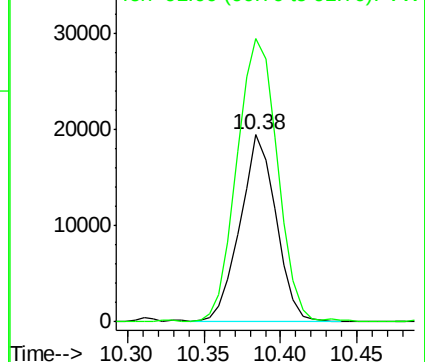
92 100

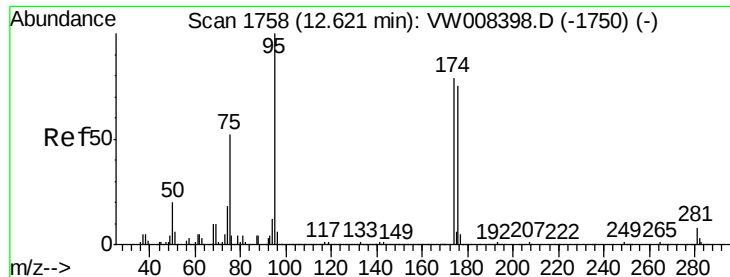
91 169.5 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

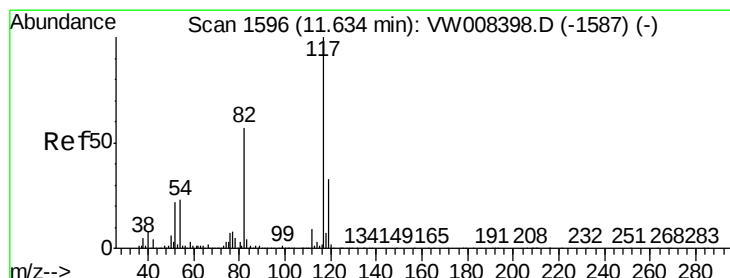
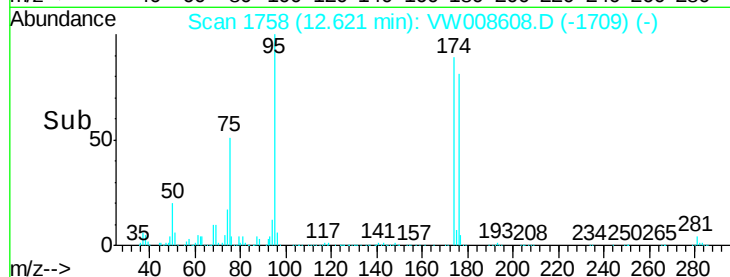
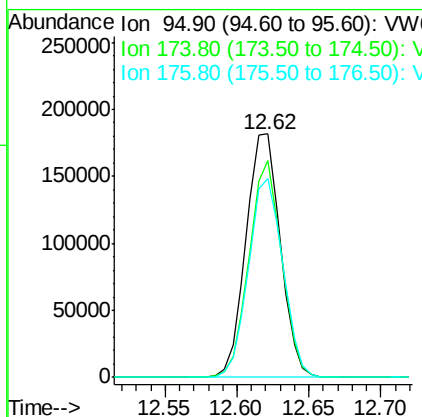
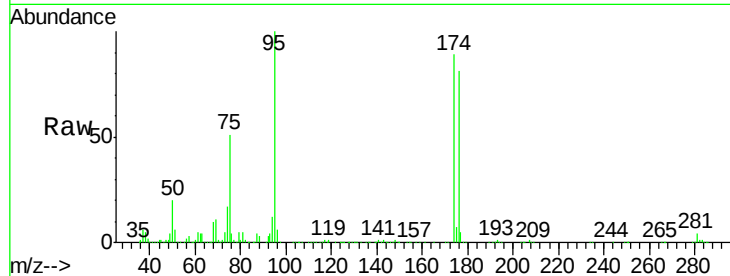




#62  
4-Bromofluorobenzene  
Concen: 46.073 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW008608.D  
Acq: 11 Feb 2019 20:01

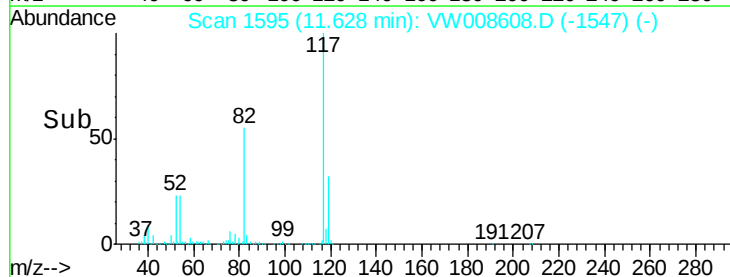
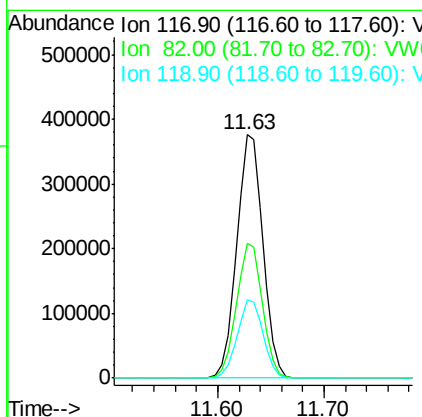
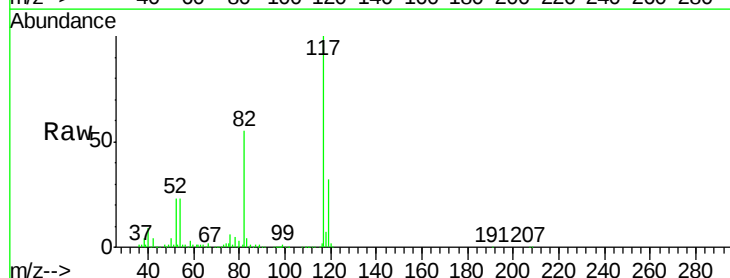
Instrument :  
MSVOA\_W  
ClientSampleId :  
TEST-PIT-3RE

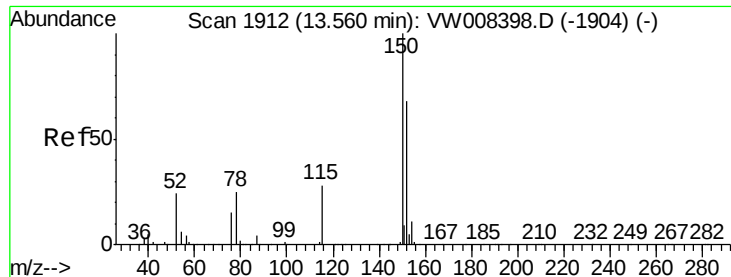
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 85.0  | 0.0   | 157.6 |
| 176     | 81.8  | 0.0   | 151.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW008608.D  
Acq: 11 Feb 2019 20:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.5  | 45.4  | 68.0  |
| 119     | 32.5  | 26.2  | 39.4  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008608.D

Acq: 11 Feb 2019 20:01

Instrument :

MSVOA\_W

ClientSampleId :

TEST-PIT-3RE

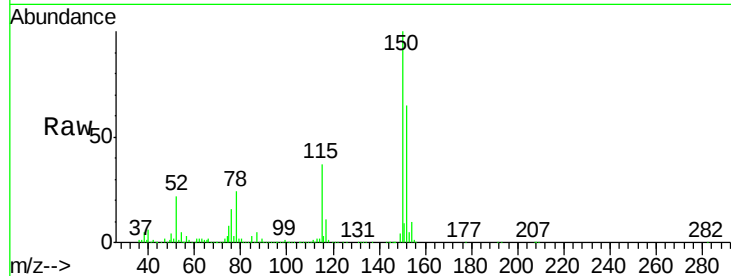
Tot Ion:152 Resp: 282359

Ion Ratio Lower Upper

152 100

115 57.5 29.9 89.7

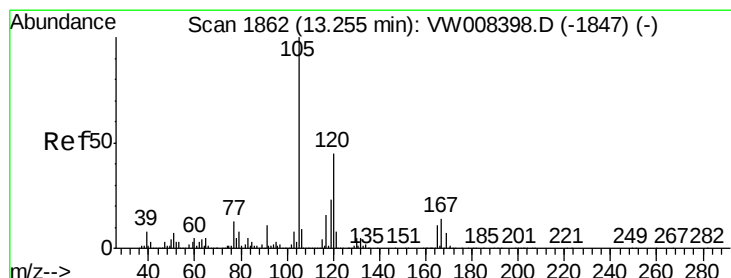
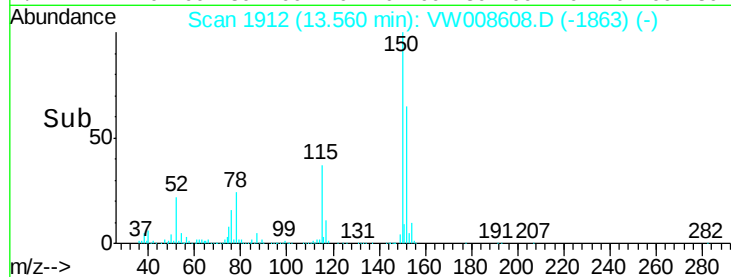
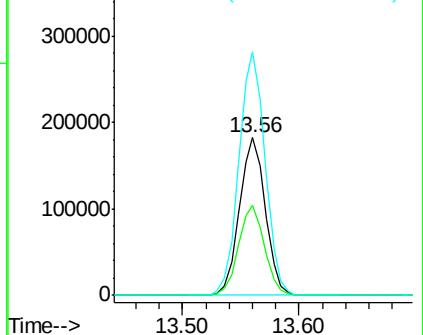
150 156.8 0.0 351.4



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



#84

1,2,4-Trimethylbenzene

Concen: 1.996 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW008608.D

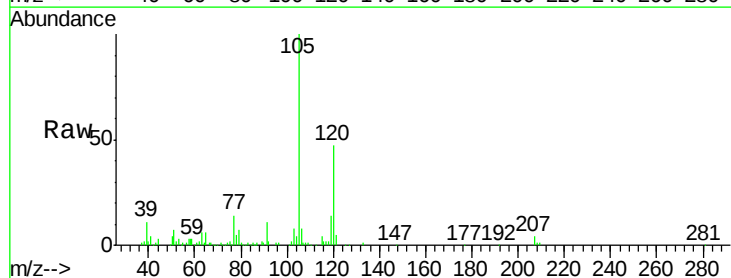
Acq: 11 Feb 2019 20:01

Tgt Ion:105 Resp: 35703

Ion Ratio Lower Upper

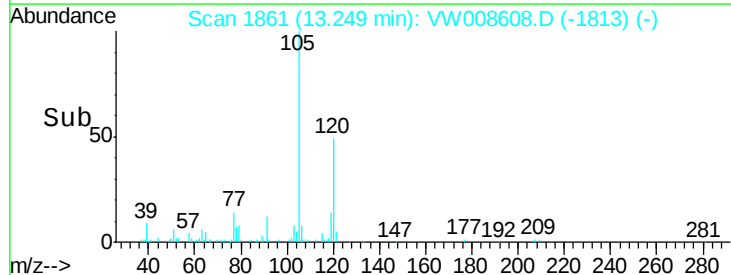
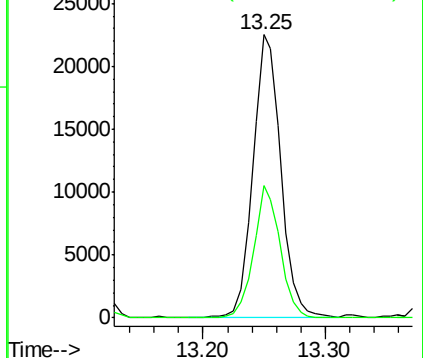
105 100

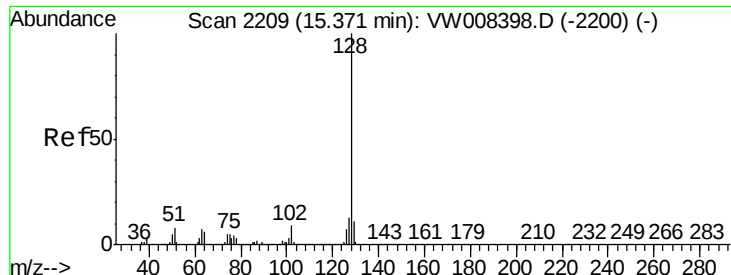
120 44.1 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

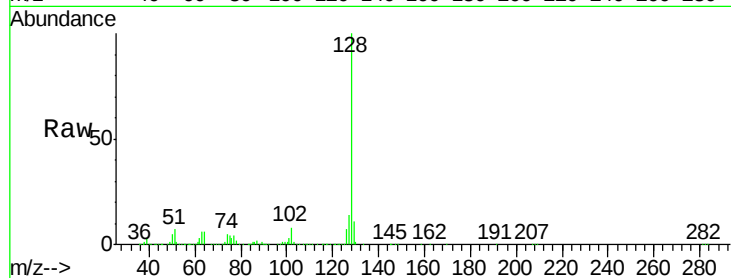




#95  
Naphthalene  
Concen: 48.241 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: VW008608.D  
Acq: 11 Feb 2019 20:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
TEST-PIT-3RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.7  | 10.6  | 15.8  |
| 129     | 10.9  | 8.7   | 13.1  |



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

