

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122518\  
 Data File : VW007890.D  
 Acq On : 24 Dec 2018 15:51  
 Operator : SY/AP  
 Sample : J6426-04RE  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-DS001-02RE

Quant Time: Dec 26 06:16:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 06:30:23 2018  
 Response via : Initial Calibration

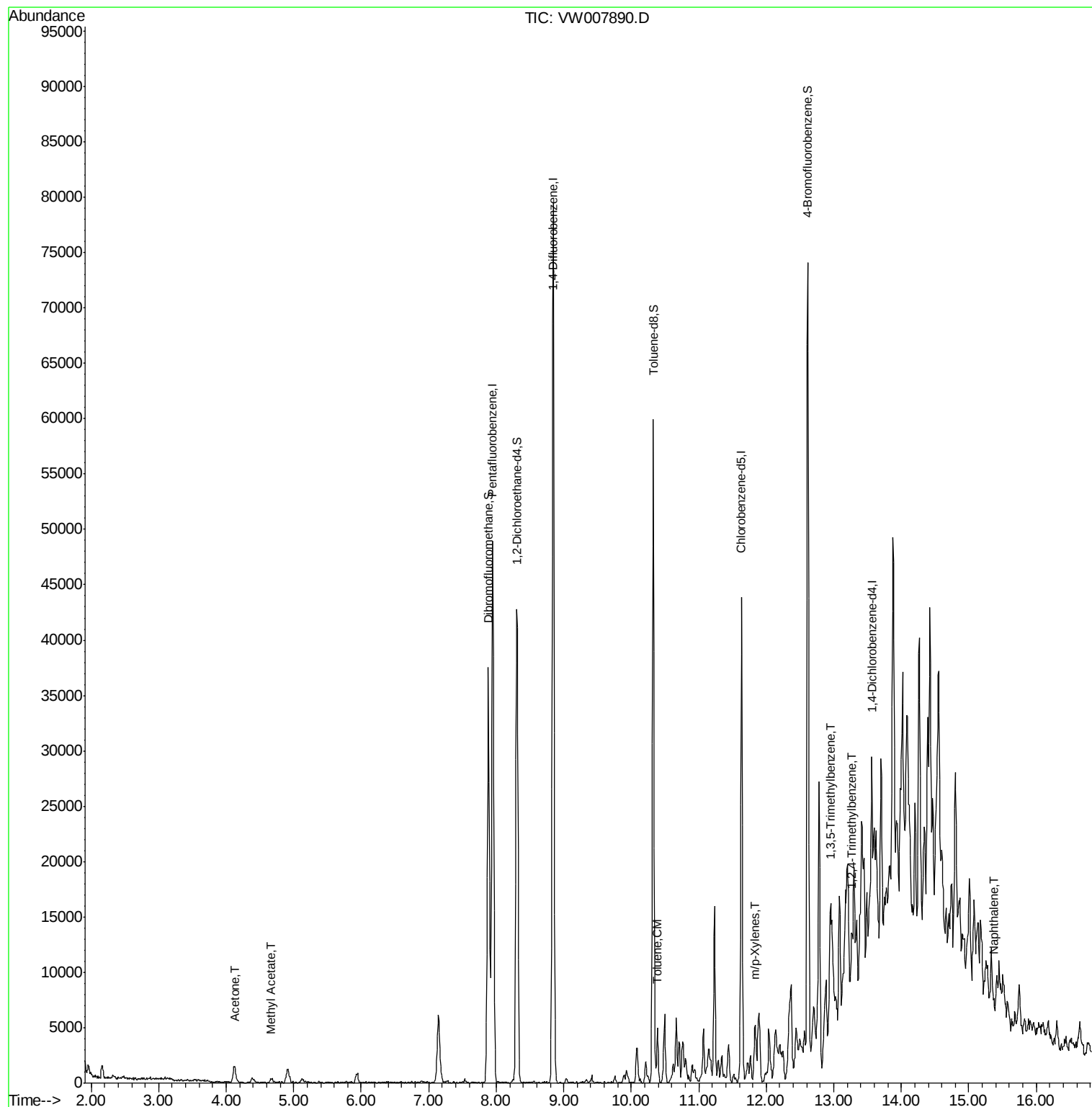
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 35864    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 66848    | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 23887    | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 4701     | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 36061    | 91.74  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 183.48% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 27600    | 67.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 135.36% |          |
| 50) Toluene-d8              | 10.32 | 98   | 37427    | 24.34  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 48.68%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 7529     | 12.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 25.36%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 3042     | 41.326 | ug/l    | 97       |
| 18) Methyl Acetate          | 4.67  | 43   | 794      | 4.536  | ug/l #  | 59       |
| 52) Toluene                 | 10.38 | 92   | 2224     | 1.925  | ug/l    | 99       |
| 68) m/p-Xylenes             | 11.83 | 106  | 1247     | 3.623  | ug/l    | 100      |
| 80) 1,3,5-Trimethylbenzene  | 12.95 | 105  | 734      | 2.395  | ug/l    | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.26 | 105  | 1660     | 5.367  | ug/l    | 89       |
| 95) Naphthalene             | 15.37 | 128  | 1169     | 6.292  | ug/l #  | 91       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122518\  
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Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-DS001-02RE

Quant Time: Dec 26 06:16:22 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 20 06:30:23 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007890.D

Acq: 24 Dec 2018 15:51

Instrument :

MSVOA\_W

ClientSampleId :

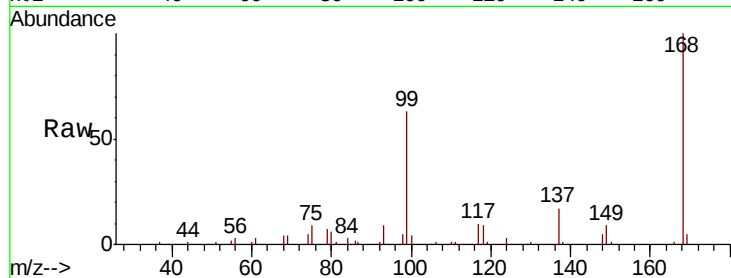
P001-DS001-02RE

Tot Ion:168 Resp: 35864

Ion Ratio Lower Upper

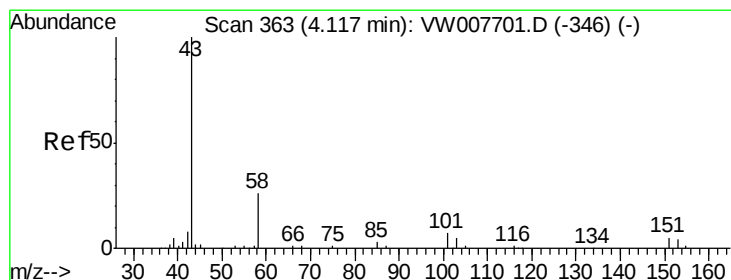
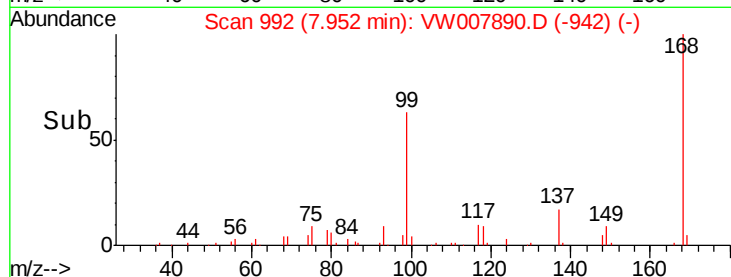
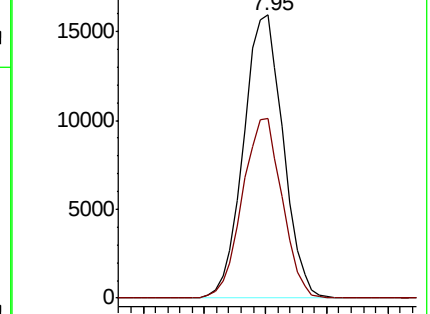
168 100

99 63.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW007701.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW007701.D (-981) (-)



#16

Acetone

Concen: 41.326 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007890.D

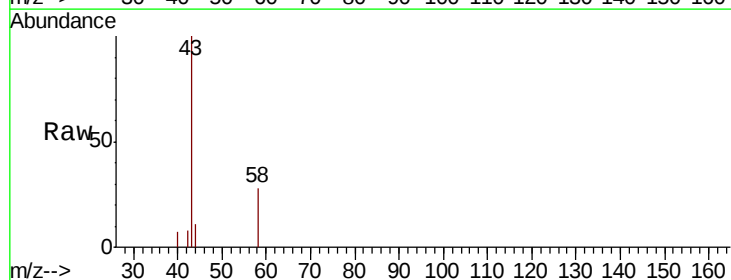
Acq: 24 Dec 2018 15:51

Tgt Ion: 43 Resp: 3042

Ion Ratio Lower Upper

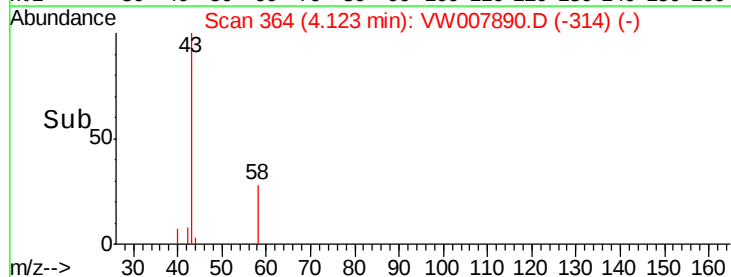
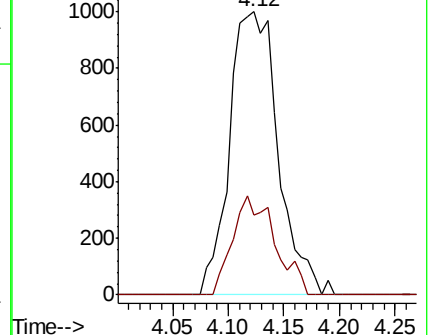
43 100

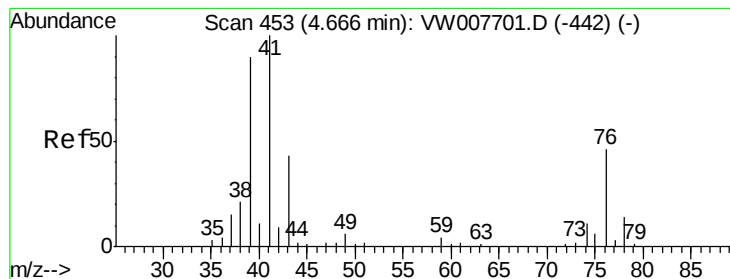
58 28.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW007701.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VW007701.D (-346) (-)





#18

Methyl Acetate

Concen: 4.536 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007890.D

Acq: 24 Dec 2018 15:51

Instrument :

MSVOA\_W

ClientSampleId :

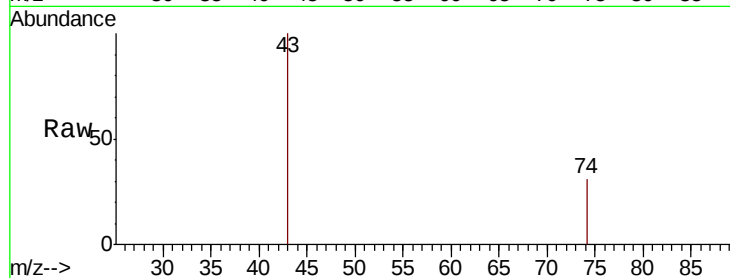
P001-DS001-02RE

Tot Ion: 43 Resp: 794

Ion Ratio Lower Upper

43 100

74 6.5 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

250

200

150

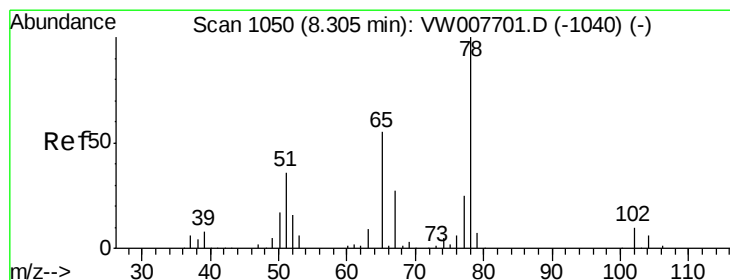
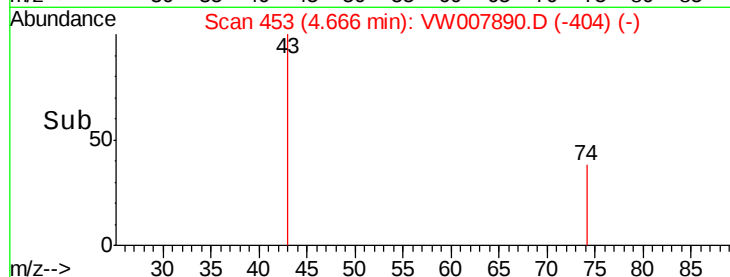
100

50

0

4.60 4.65 4.70 4.75

Time-->



#33

1,2-Dichloroethane-d4

Concen: 91.738 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007890.D

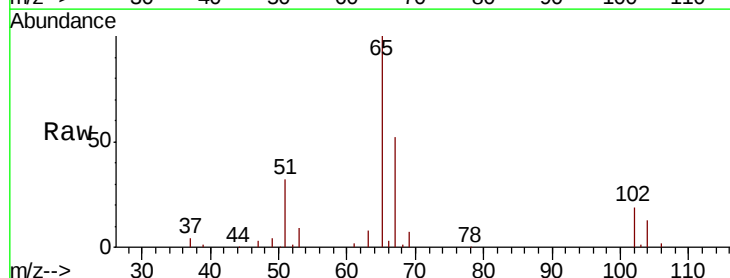
Acq: 24 Dec 2018 15:51

Tgt Ion: 65 Resp: 36061

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

15000

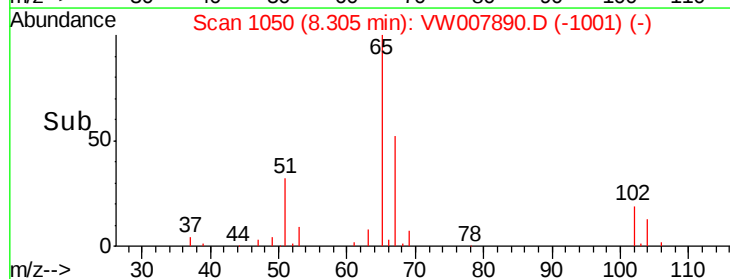
10000

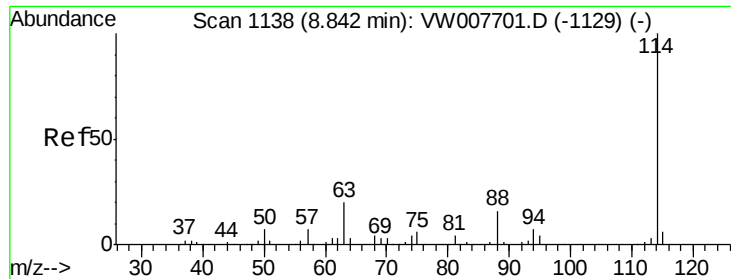
5000

0

8.20 8.25 8.30 8.35 8.40

Time-->

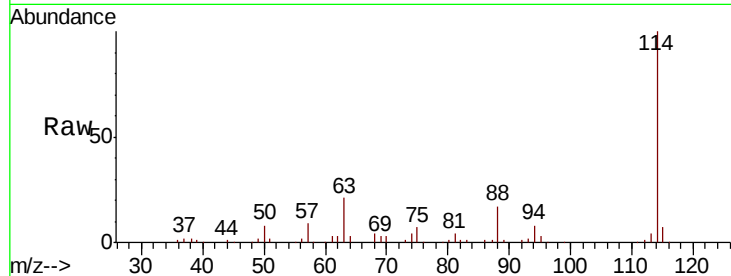




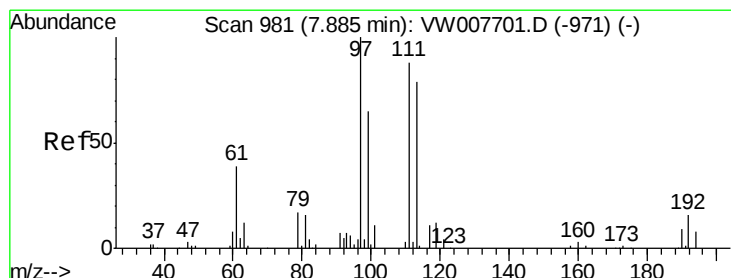
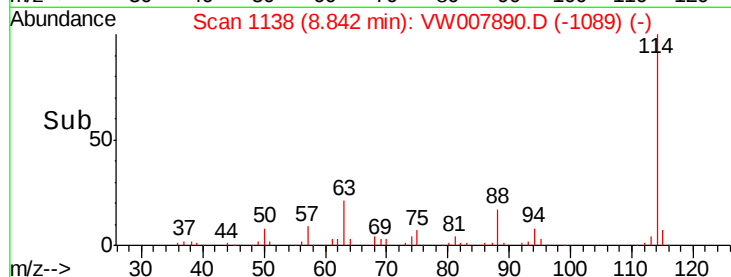
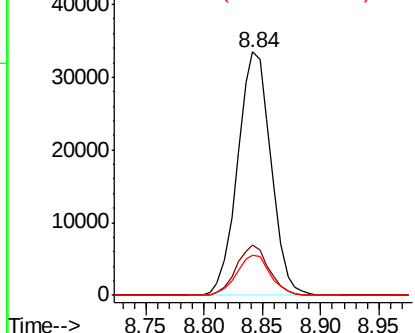
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW007890.D  
 Acq: 24 Dec 2018 15:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-DS001-02RE

Tot Ion:114 Resp: 66848  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 40.0  
 88 16.7 0.0 32.6

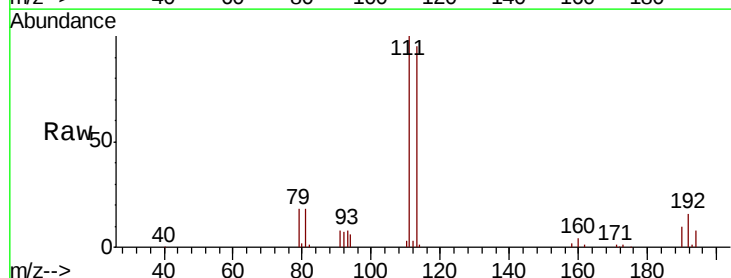


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

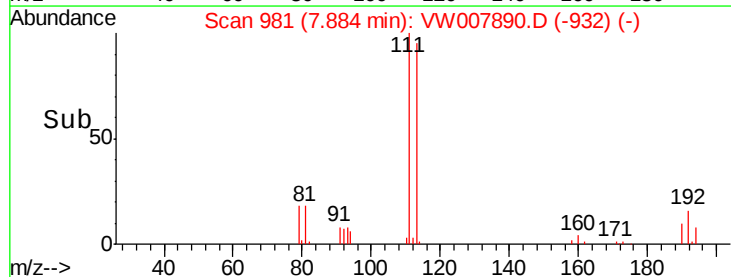
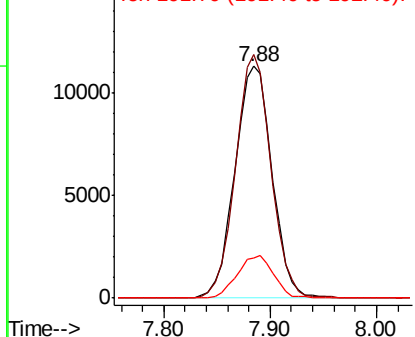


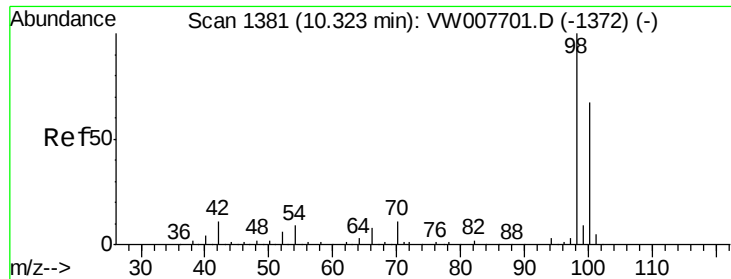
#35  
 Dibromofluoromethane  
 Concen: 67.679 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW007890.D  
 Acq: 24 Dec 2018 15:51

Tgt Ion:113 Resp: 27600  
 Ion Ratio Lower Upper  
 113 100  
 111 100.0 82.6 124.0  
 192 17.9 15.5 23.3



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





#50

Toluene-d8

Concen: 24.345 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007890.D

Acq: 24 Dec 2018 15:51

Instrument :

MSVOA\_W

ClientSampleId :

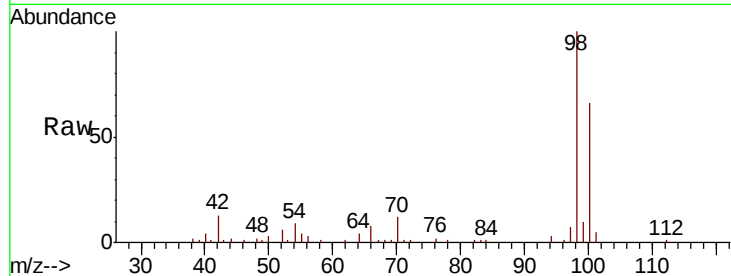
P001-DS001-02RE

Tot Ion: 98 Resp: 37427

Ion Ratio Lower Upper

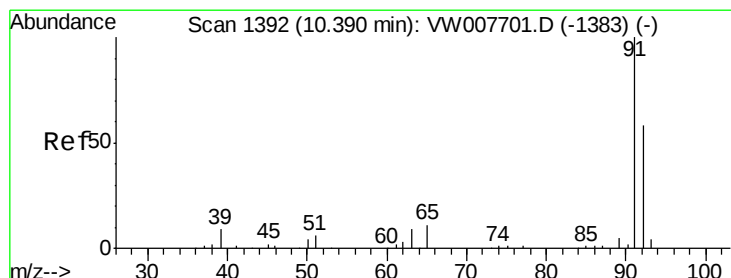
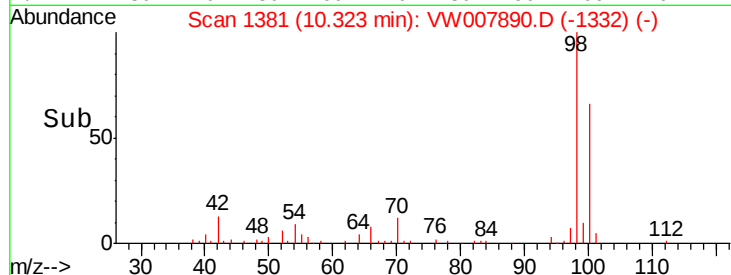
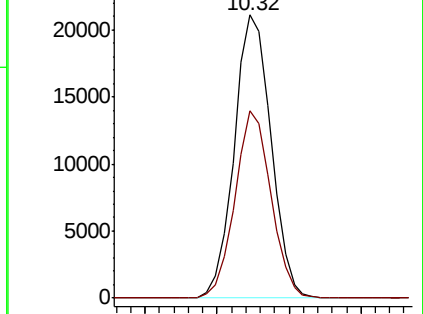
98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.925 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007890.D

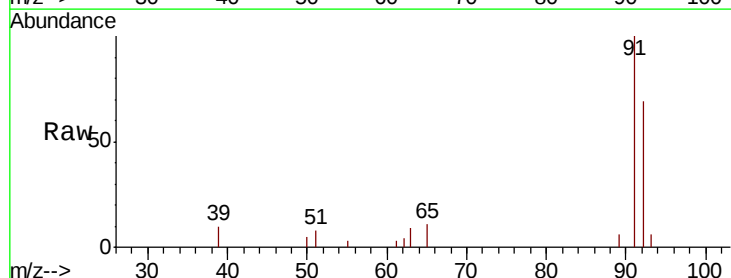
Acq: 24 Dec 2018 15:51

Tgt Ion: 92 Resp: 2224

Ion Ratio Lower Upper

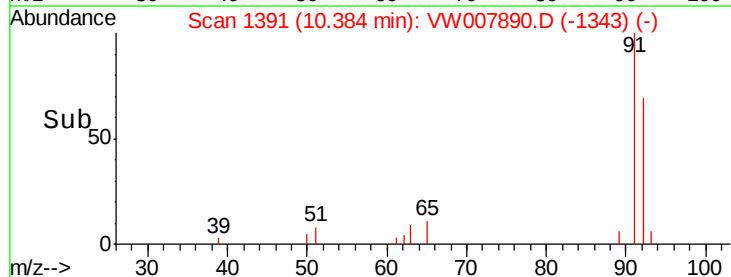
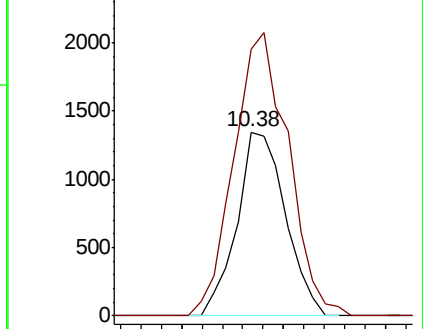
92 100

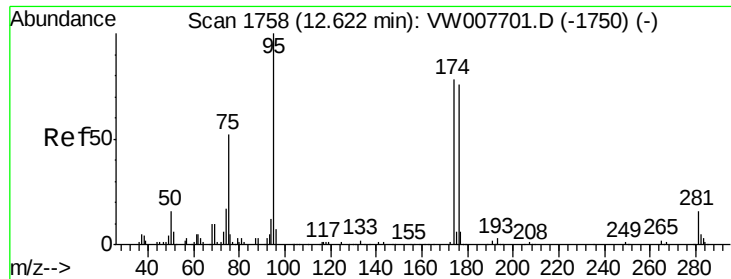
91 172.6 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 12.677 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007890.D

Acq: 24 Dec 2018 15:51

Instrument :

MSVOA\_W

ClientSampleId :

P001-DS001-02RE

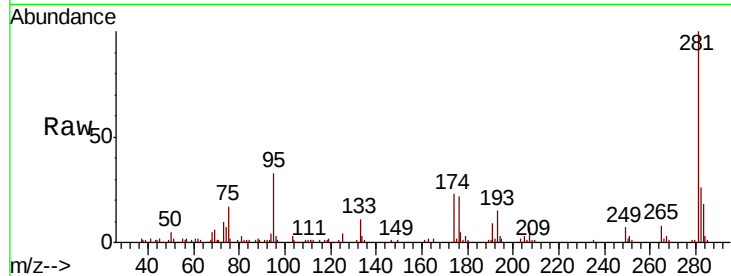
Tot Ion: 95 Resp: 7529

Ion Ratio Lower Upper

95 100

174 71.9 0.0 152.2

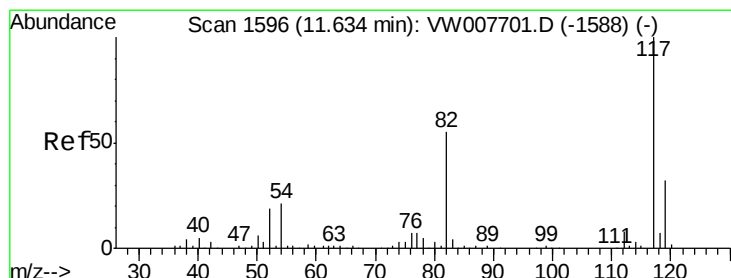
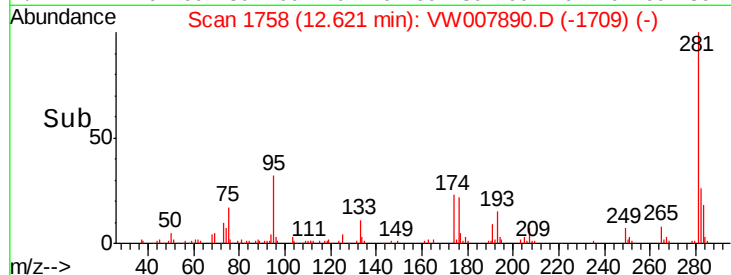
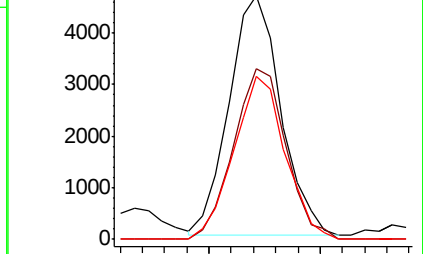
176 67.3 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007890.D

Acq: 24 Dec 2018 15:51

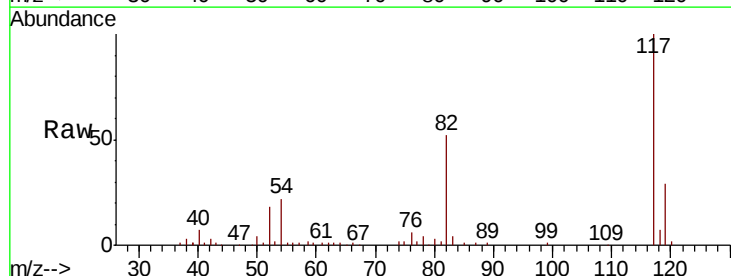
Tgt Ion: 117 Resp: 23887

Ion Ratio Lower Upper

117 100

82 52.3 44.3 66.5

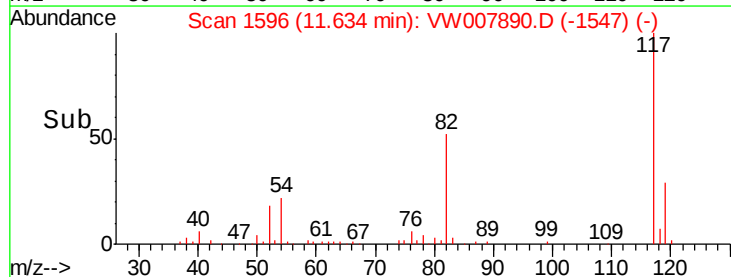
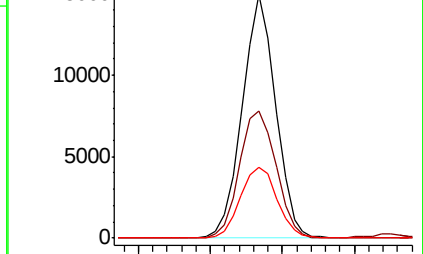
119 29.3 25.7 38.5

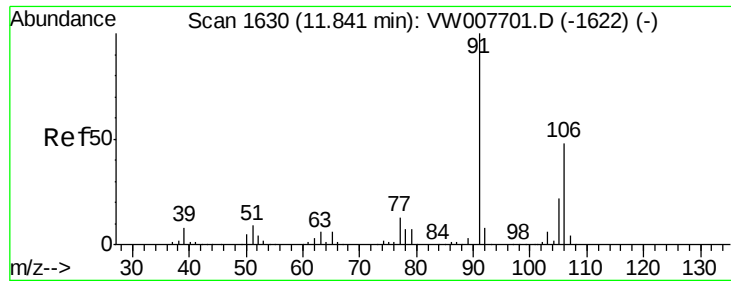


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

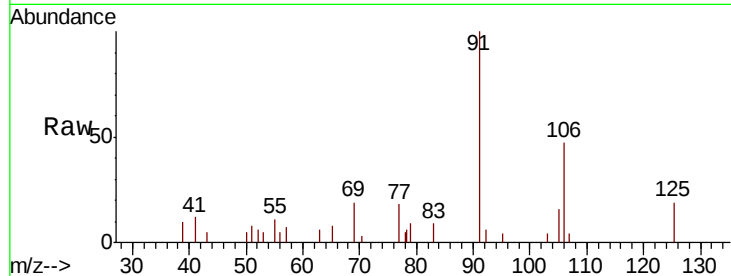




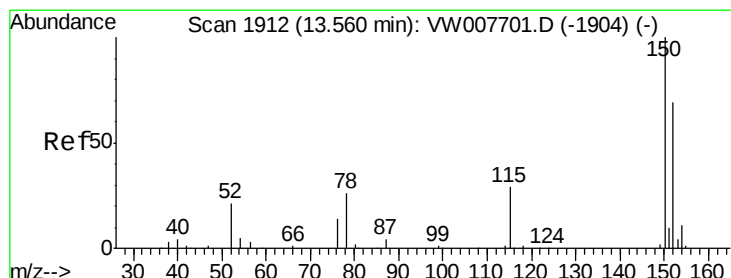
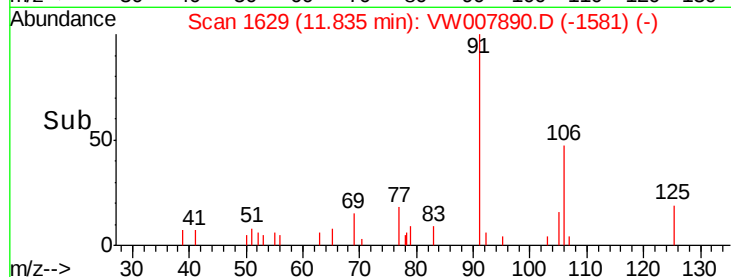
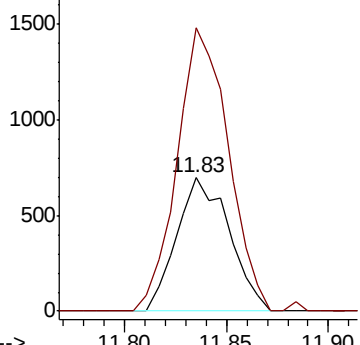
#68  
m/p-Xvlenes  
Concen: 3.623 ug/l  
RT: 11.83 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW007890.D  
Acq: 24 Dec 2018 15:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-DS001-02RE

Tot Ion:106 Resp: 1247  
Ion Ratio Lower Upper  
106 100  
91 206.6 165.2 247.8

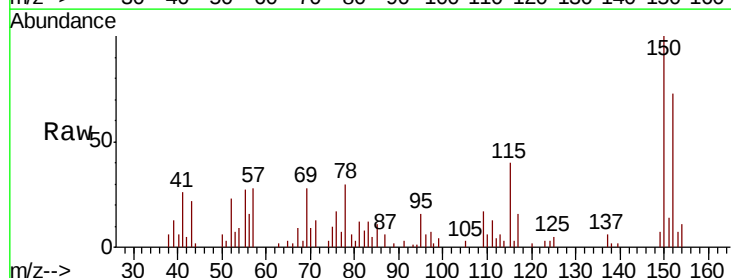


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

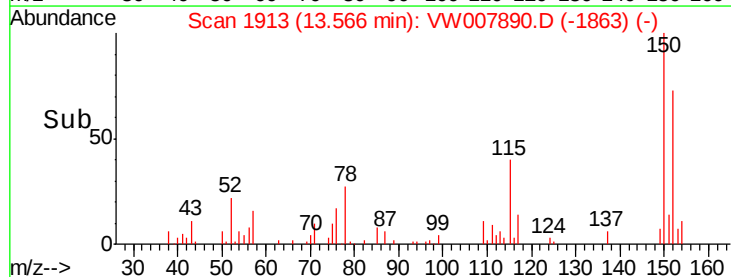
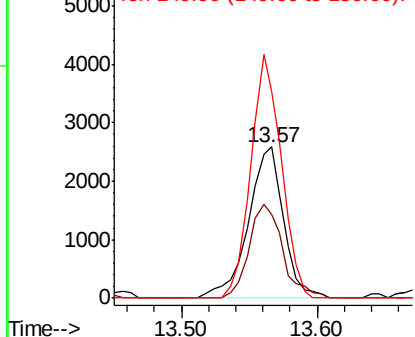


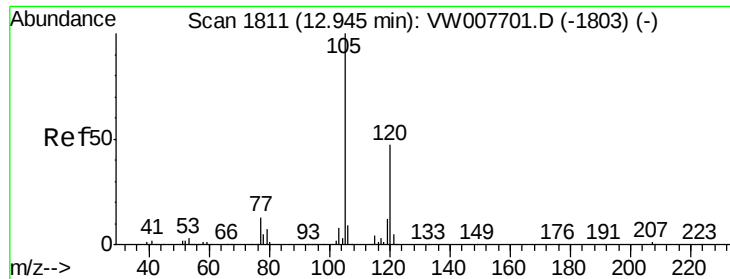
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.01 min  
Lab File: VW007890.D  
Acq: 24 Dec 2018 15:51

Tgt Ion:152 Resp: 4701  
Ion Ratio Lower Upper  
152 100  
115 59.0 31.8 95.4  
150 139.1 0.0 350.8



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

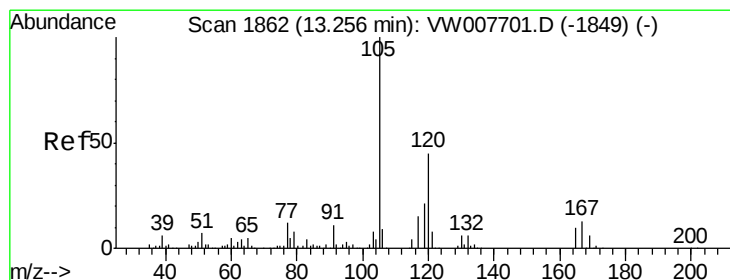
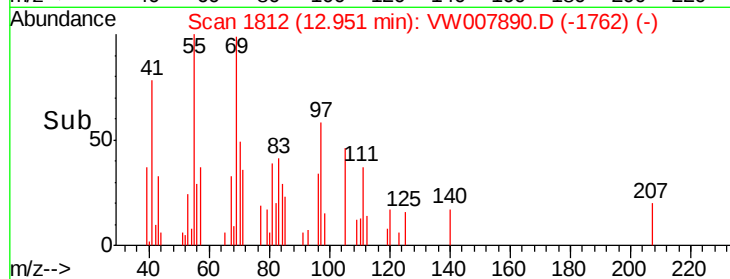
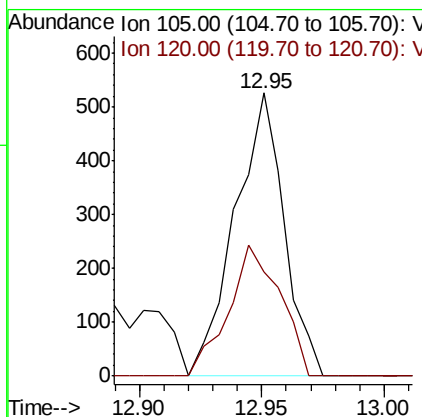
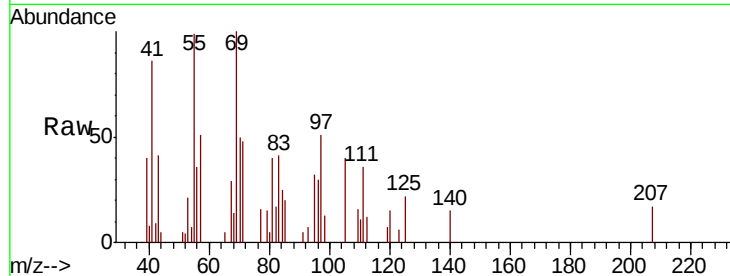




#80  
 1,3,5-Trimethylbenzene  
 Concen: 2.395 ug/l  
 RT: 12.95 min Scan# 1812  
 Delta R.T. 0.01 min  
 Lab File: VW007890.D  
 Acq: 24 Dec 2018 15:51

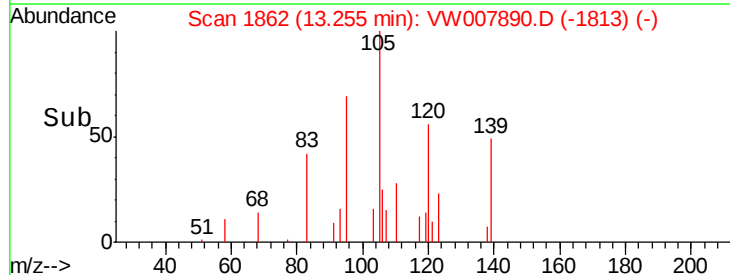
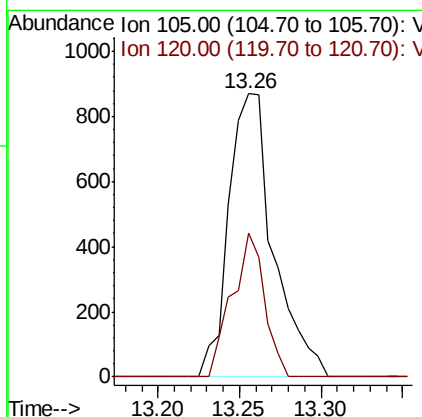
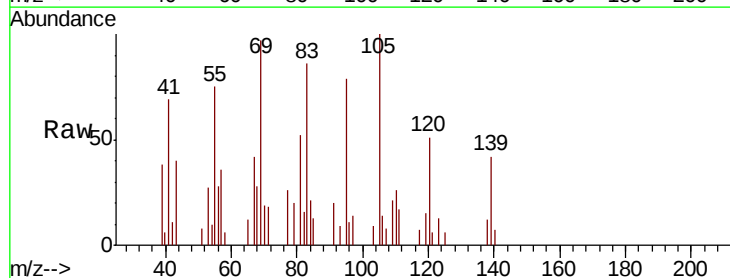
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-DS001-02RE

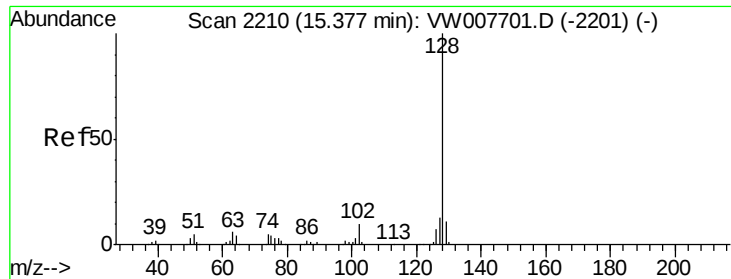
Tot Ion:105 Resp: 734  
 Ion Ratio Lower Upper  
 105 100  
 120 48.5 23.6 70.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 5.367 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. -0.00 min  
 Lab File: VW007890.D  
 Acq: 24 Dec 2018 15:51

Tgt Ion:105 Resp: 1660  
 Ion Ratio Lower Upper  
 105 100  
 120 37.0 22.0 66.0





#95

Napthalene

Concen: 6.292 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007890.D

Acq: 24 Dec 2018 15:51

Instrument :

MSVOA\_W

ClientSampleId :

P001-DS001-02RE

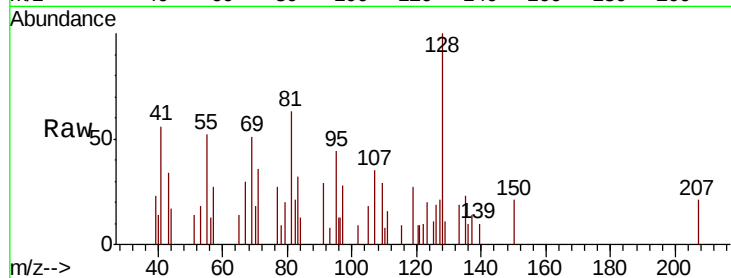
Tot Ion:128 Resp: 1169

Ion Ratio Lower Upper

128 100

127 19.5 10.7 16.1#

129 11.9 8.8 13.2



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

