

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081318\  
 Data File : VW004631.D  
 Acq On : 11 Aug 2018 07:35  
 Operator : SY/AP  
 Sample : J4272-03RE  
 Misc : 6.69G/5ML/MSVOA W/SOIL  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JC-03-080918-BRE

Quant Time: Aug 13 01:08:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W080618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 08:22:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 288160   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 473148   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 369571   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 158413   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 154540   | 48.45 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.90% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 145600   | 46.15 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.30% |          |
| 50) Toluene-d8              | 10.33 | 98   | 415864   | 34.58 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 69.16% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 144837   | 33.43 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 66.86% |          |

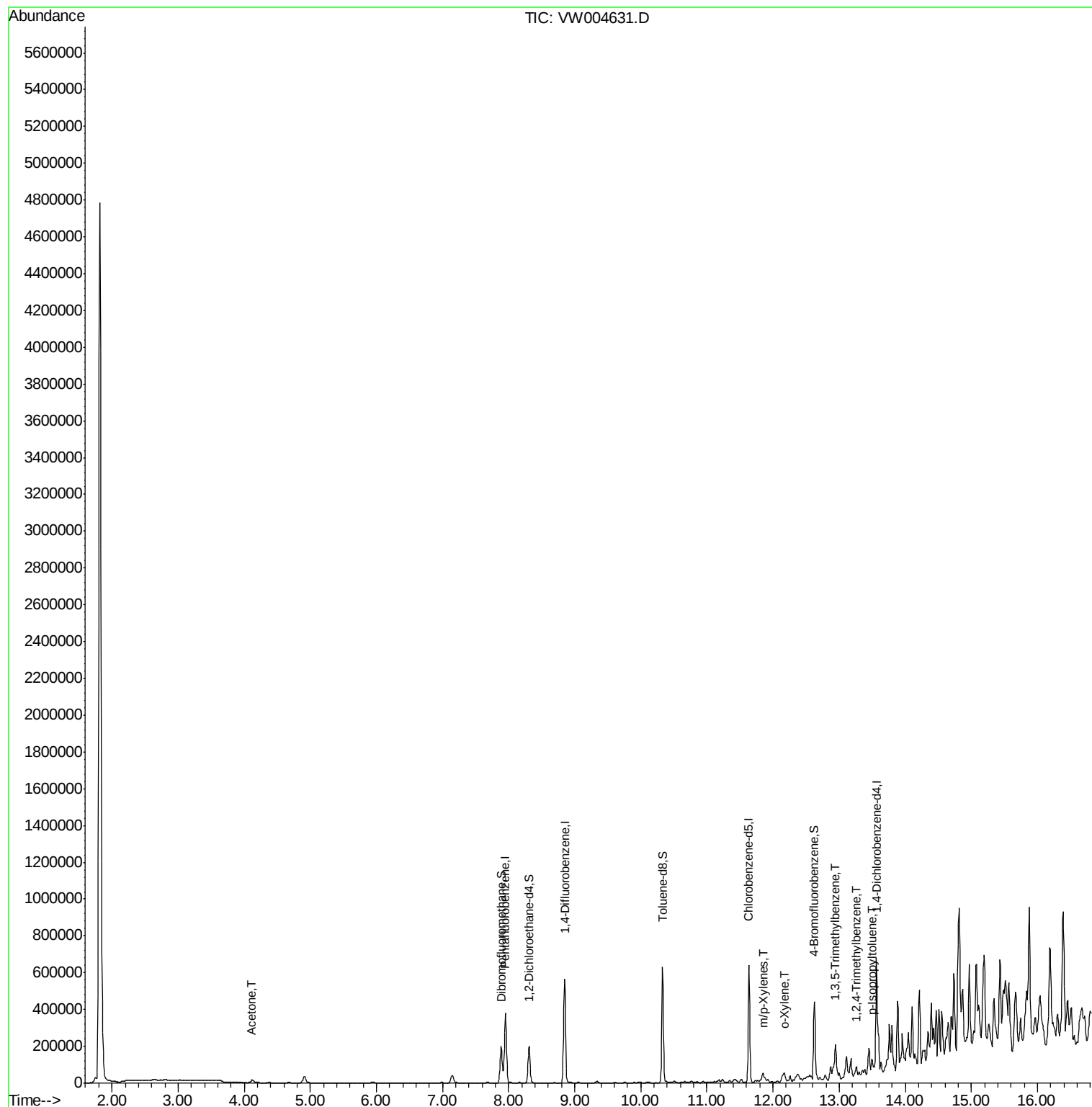
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone                | 4.12  | 43   | 26590    | 33.38 | ug/l  | 98     |
| 68) m/p-Xylenes            | 11.85 | 106  | 6553     | 1.23  | ug/l  | 93     |
| 69) o-Xylene               | 12.17 | 106  | 10497    | 2.12  | ug/l  | 94     |
| 80) 1,3,5-Trimethylbenzene | 12.95 | 105  | 41413    | 4.43  | ug/l  | 97     |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105  | 30929    | 3.20  | ug/l  | 98     |
| 86) p-Isopropyltoluene     | 13.51 | 119  | 19010    | 1.85  | ug/l  | 95     |

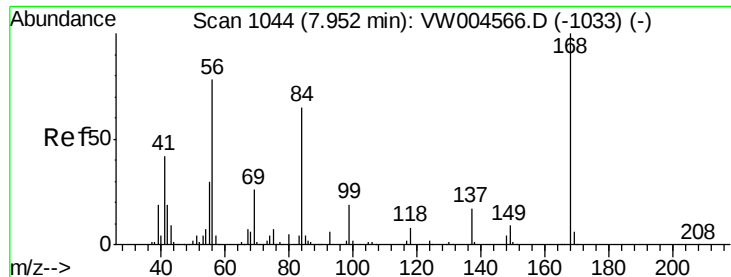
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081318\  
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MSVOA\_W  
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Quant Time: Aug 13 01:08:08 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W080618S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 08:22:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

Instrument :

MSVOA\_W

ClientSampleId :

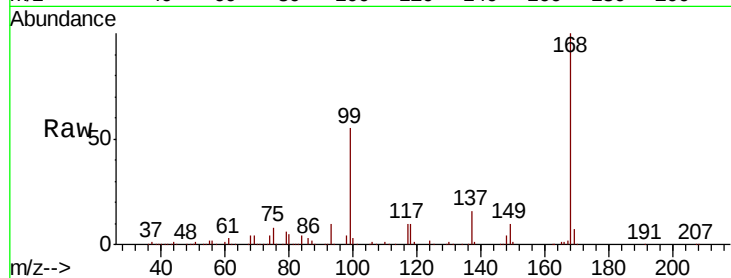
JC-03-080918-BRE

Tot Ion:168 Resp: 288160

Ion Ratio Lower Upper

168 100

99 55.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

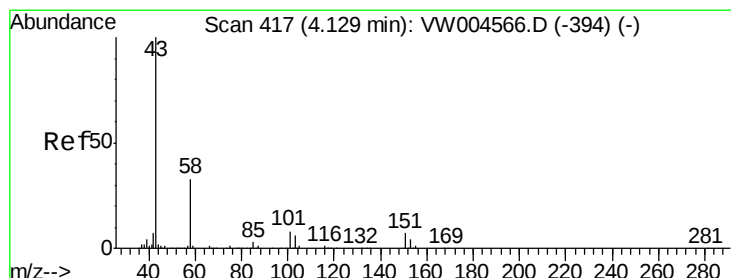
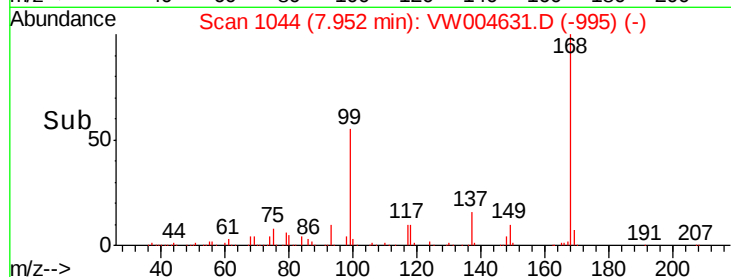
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 33.38 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW004631.D

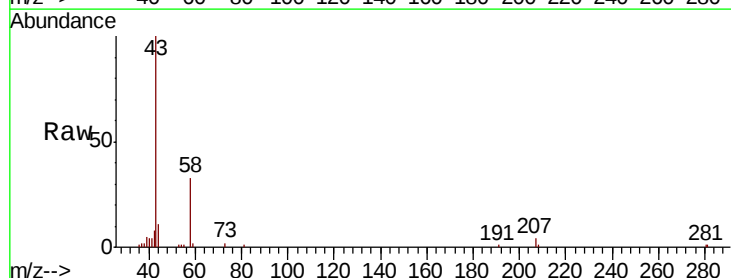
Acq: 11 Aug 2018 07:35

Tgt Ion: 43 Resp: 26590

Ion Ratio Lower Upper

43 100

58 32.6 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

10000

8000

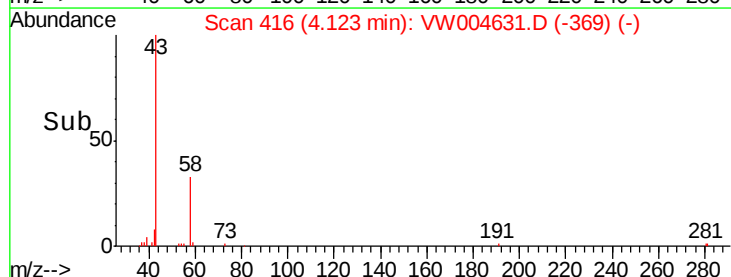
6000

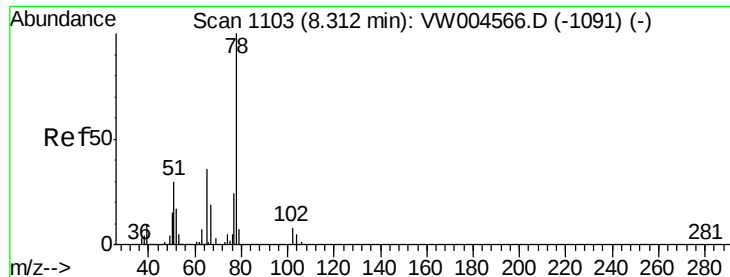
4000

2000

0

Time--> 4.00 4.05 4.10 4.15 4.20





#33

1,2-Dichloroethane-d4

Concen: 48.45 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

Instrument :

MSVOA\_W

ClientSampleId :

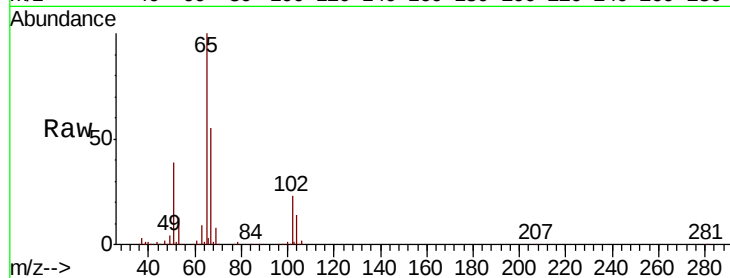
JC-03-080918-BRE

Tot Ion: 65 Resp: 154540

Ion Ratio Lower Upper

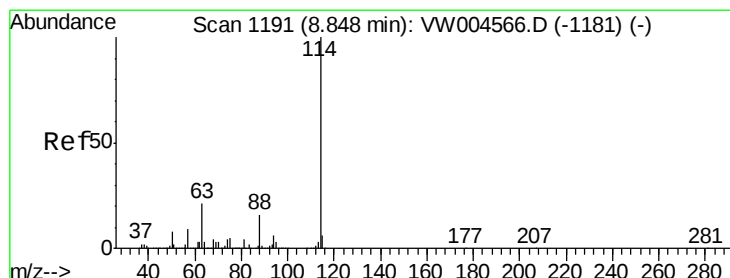
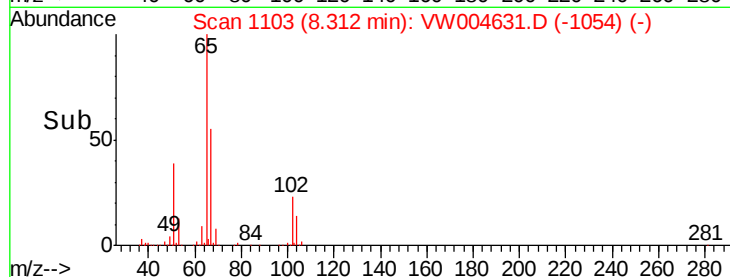
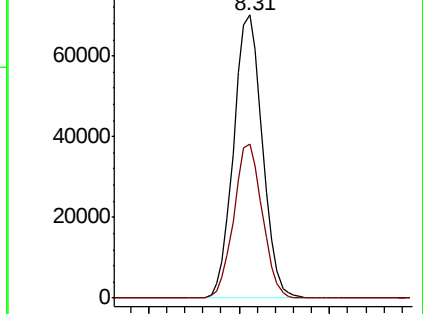
65 100

67 53.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

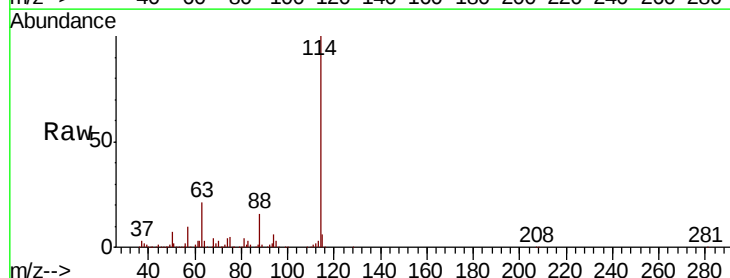
Tgt Ion: 114 Resp: 473148

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

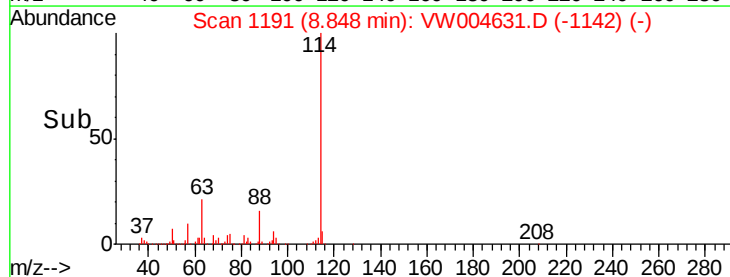
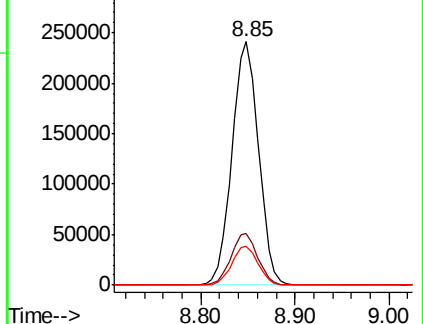
88 15.9 0.0 31.2

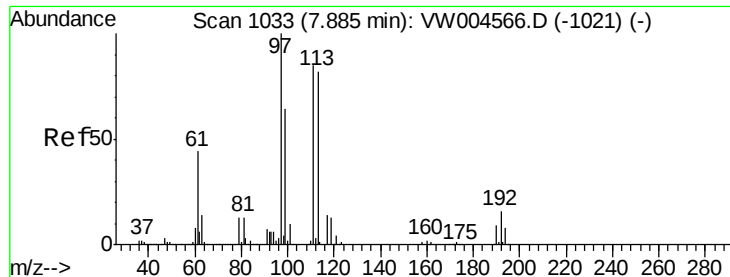


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

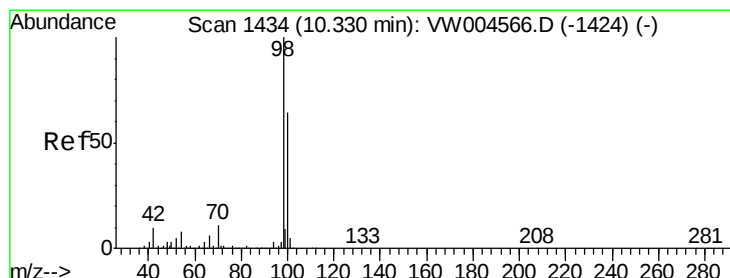
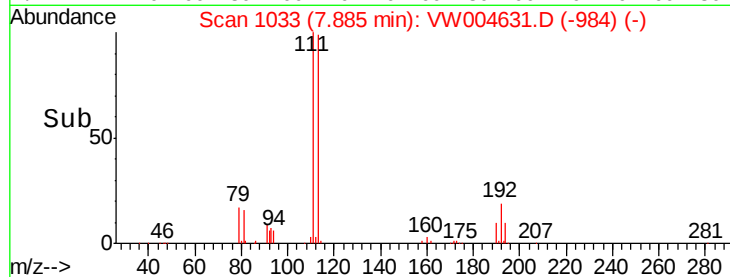
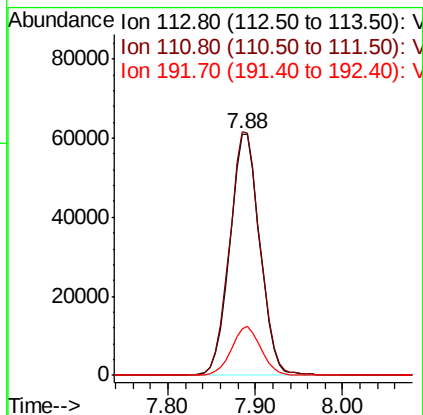
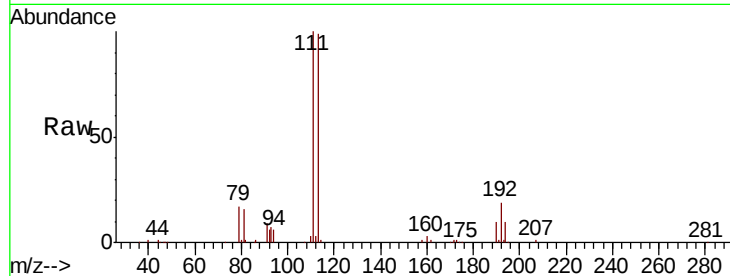




#35  
 Dibromofluoromethane  
 Concen: 46.15 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW004631.D  
 Acq: 11 Aug 2018 07:35

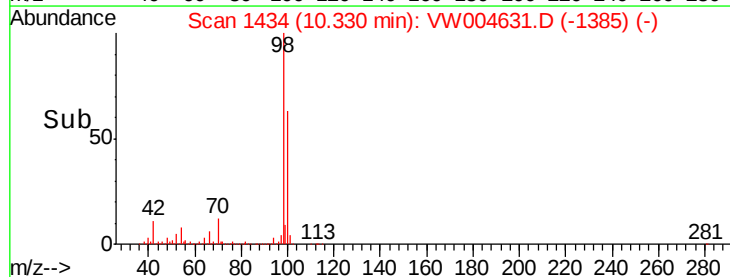
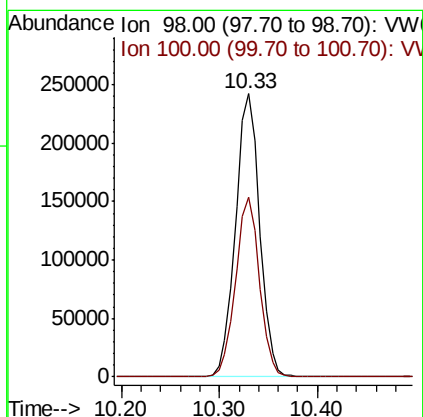
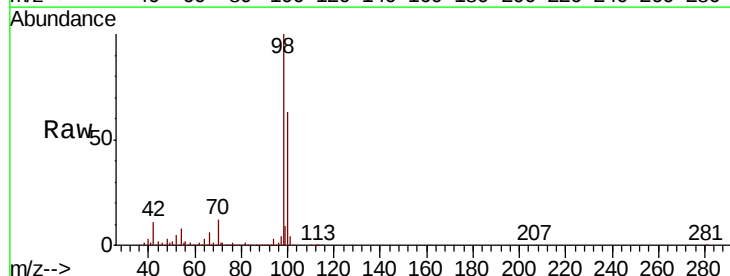
Instrument :  
 MSVOA\_W  
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 JC-03-080918-BRE

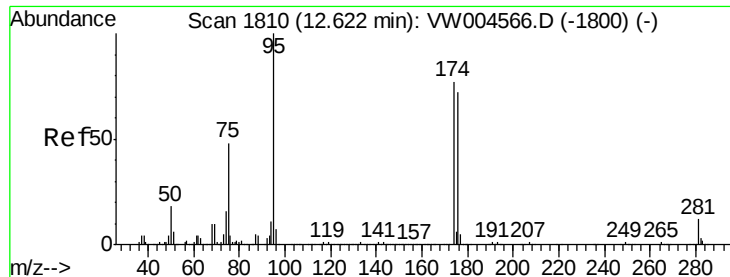
Tot Ion:113 Resp: 145600  
 Ion Ratio Lower Upper  
 113 100  
 111 101.6 82.9 124.3  
 192 19.9 15.8 23.6



#50  
 Toluene-d8  
 Concen: 34.58 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW004631.D  
 Acq: 11 Aug 2018 07:35

Tgt Ion: 98 Resp: 415864  
 Ion Ratio Lower Upper  
 98 100  
 100 62.8 51.4 77.2

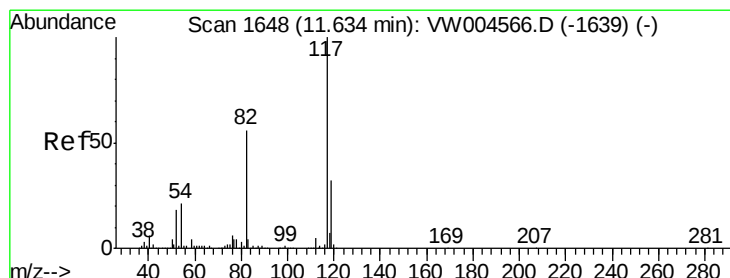
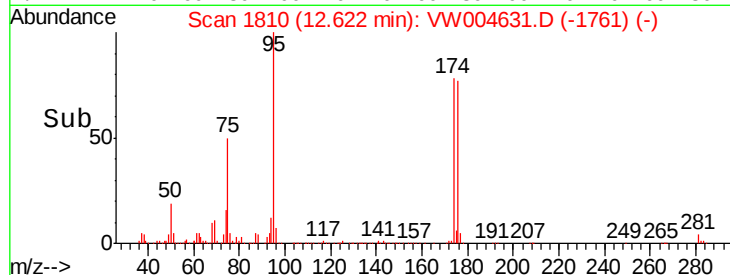
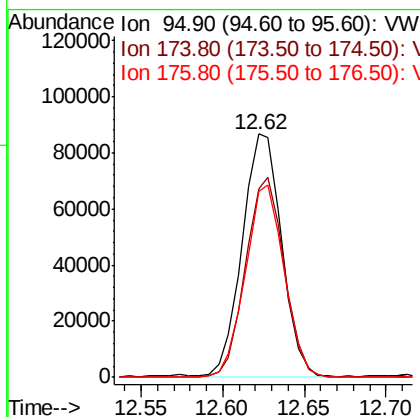
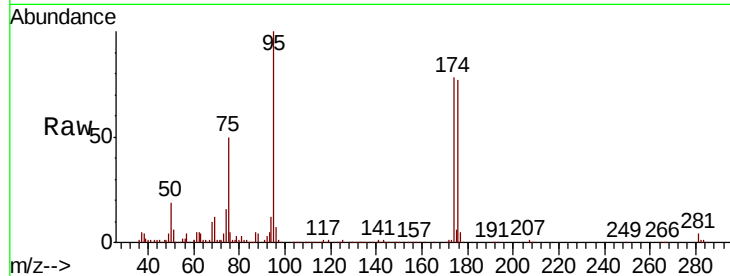




#62  
4-Bromofluorobenzene  
Concen: 33.43 ug/l  
RT: 12.62 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VW004631.D  
Acq: 11 Aug 2018 07:35

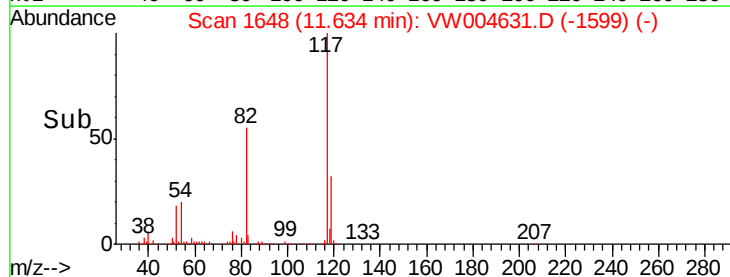
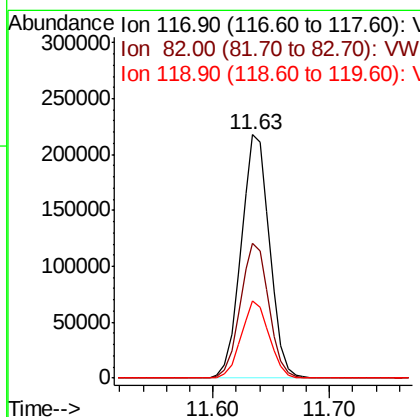
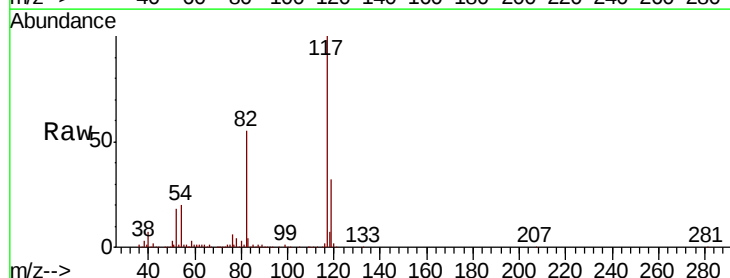
Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-03-080918-BRE

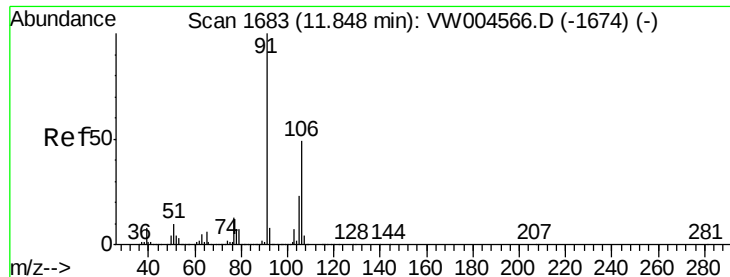
| Tot Ion   | 95   | Resp  | 144837 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 174       | 80.9 | 0.0   | 160.4  |
| 176       | 78.3 | 0.0   | 153.2  |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. 0.00 min  
Lab File: VW004631.D  
Acq: 11 Aug 2018 07:35

| Tgt Ion                                              | 117  | Resp  | 369571 |
|------------------------------------------------------|------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100  | Lower | Upper  |
| 82                                                   | 55.3 | 45.3  | 67.9   |
| 119                                                  | 31.6 | 26.2  | 39.4   |

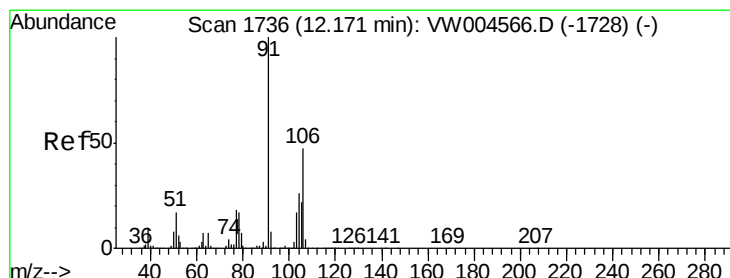
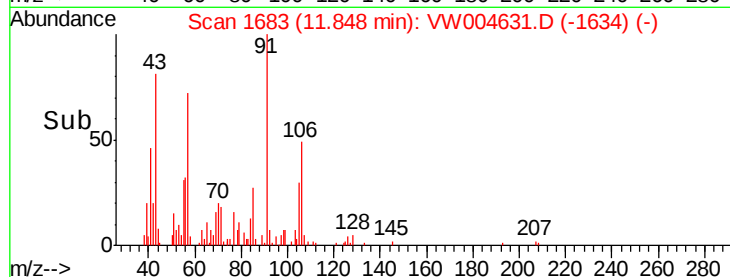
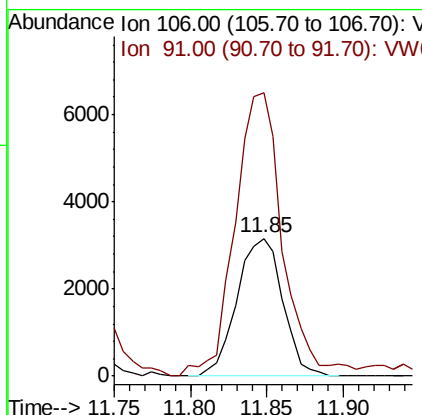
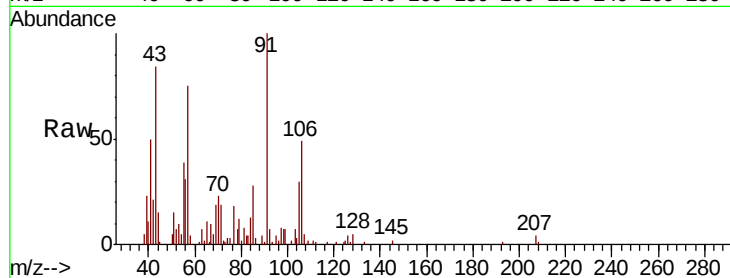




#68  
m/p-Xylenes  
Concen: 1.23 ug/l  
RT: 11.85 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW004631.D  
Acq: 11 Aug 2018 07:35

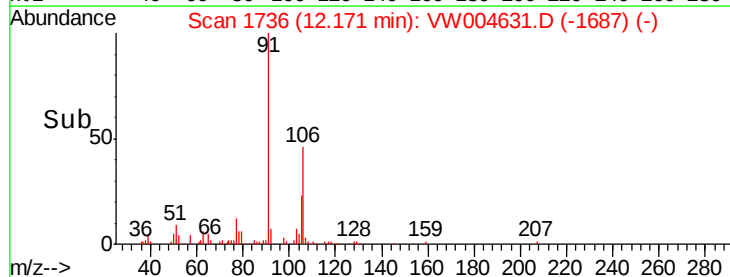
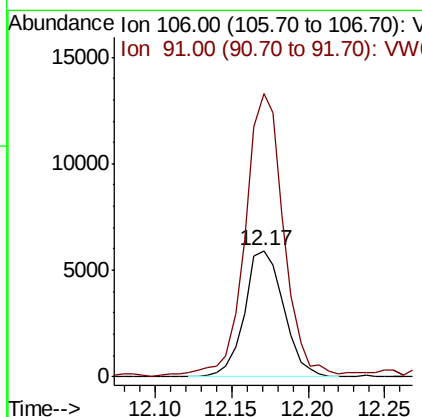
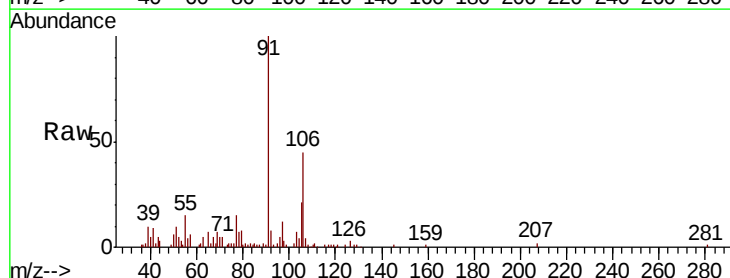
Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-03-080918-BRE

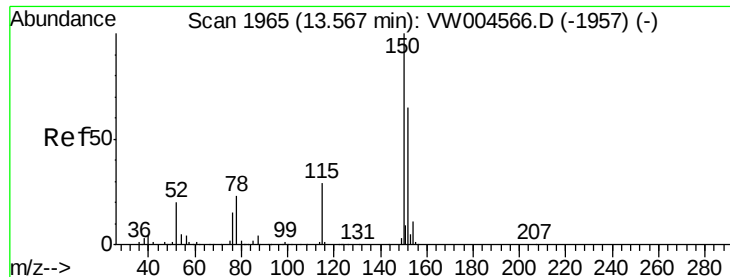
Tot Ion:106 Resp: 6553  
Ion Ratio Lower Upper  
106 100  
91 214.6 162.8 244.2



#69  
o-Xylene  
Concen: 2.12 ug/l  
RT: 12.17 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VW004631.D  
Acq: 11 Aug 2018 07:35

Tgt Ion:106 Resp: 10497  
Ion Ratio Lower Upper  
106 100  
91 223.4 106.7 320.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

Instrument :

MSVOA\_W

ClientSampleId :

JC-03-080918-BRE

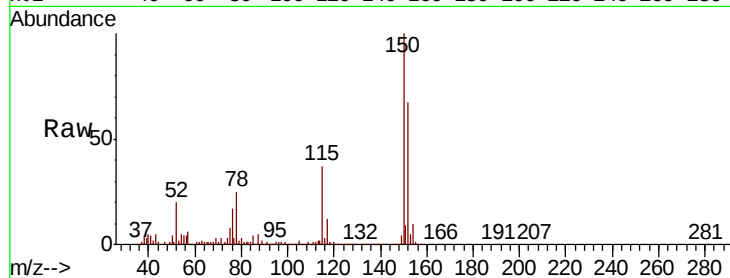
Tot Ion:152 Resp: 158413

Ion Ratio Lower Upper

152 100

115 61.5 29.1 87.3

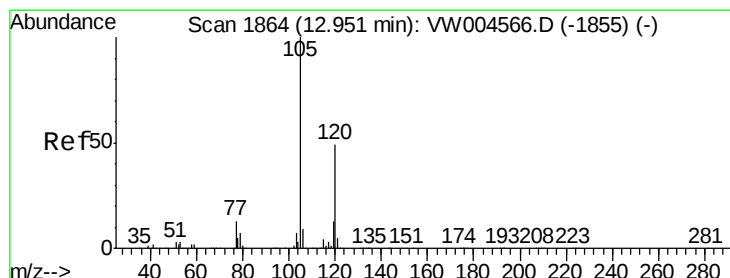
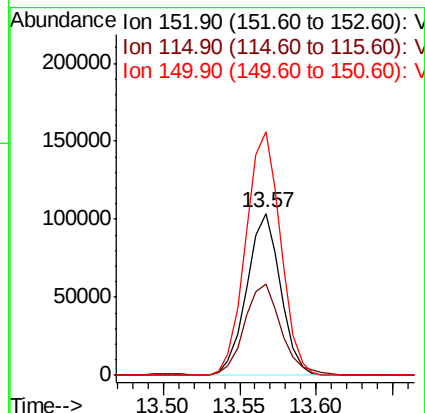
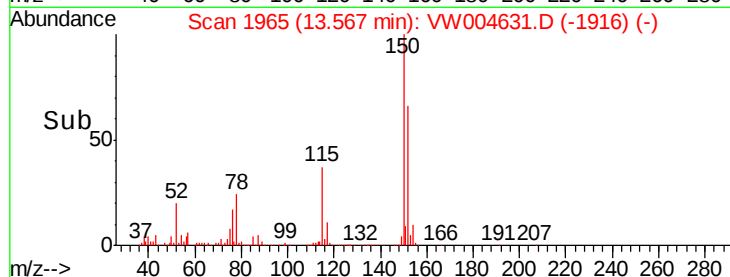
150 155.9 0.0 349.6



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: 4.43 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004631.D

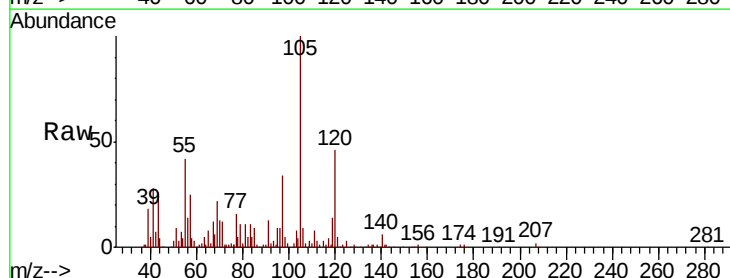
Acq: 11 Aug 2018 07:35

Tgt Ion:105 Resp: 41413

Ion Ratio Lower Upper

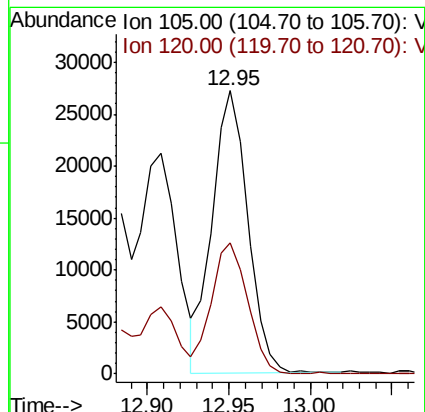
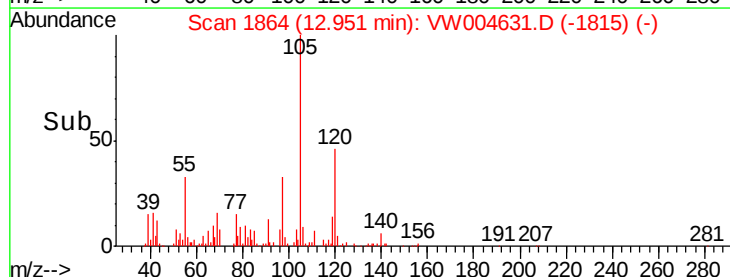
105 100

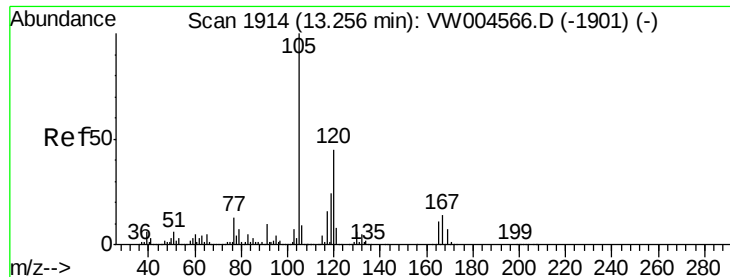
120 47.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 3.20 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.01 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

Instrument :

MSVOA\_W

ClientSampleId :

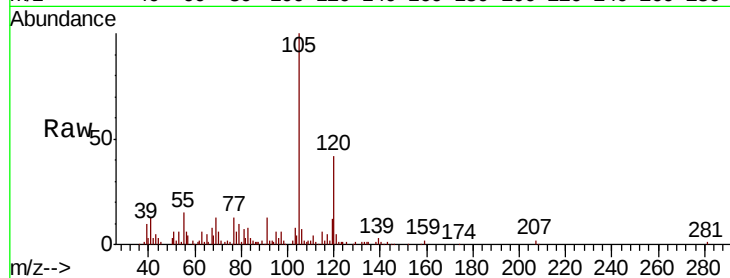
JC-03-080918-BRE

Tot Ion:105 Resp: 30929

Ion Ratio Lower Upper

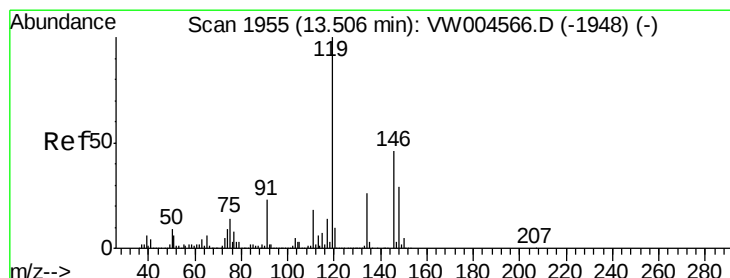
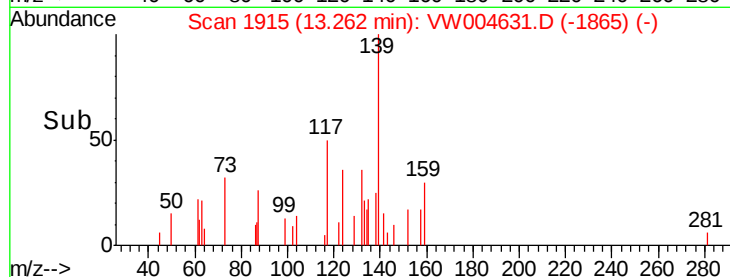
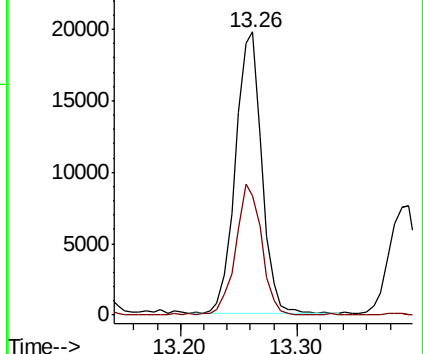
105 100

120 46.3 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 1.85 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

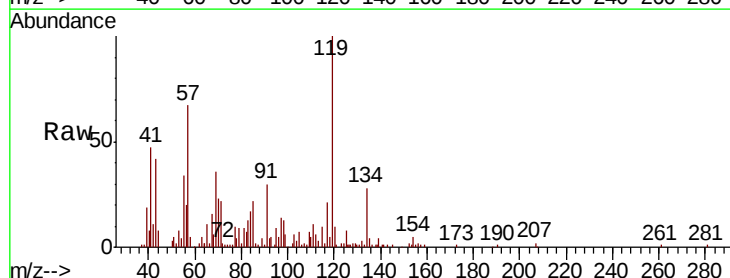
Tgt Ion:119 Resp: 19010

Ion Ratio Lower Upper

119 100

134 27.4 13.1 39.1

91 26.9 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

