

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\  
 Data File : VW008358.D  
 Acq On : 18 Jan 2019 16:09  
 Operator : SY/VA  
 Sample : K1015-09  
 Misc : 5.93G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-01-011719-A

Quant Time: Jan 19 04:15:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W011719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 18 00:57:07 2019  
 Response via : Initial Calibration

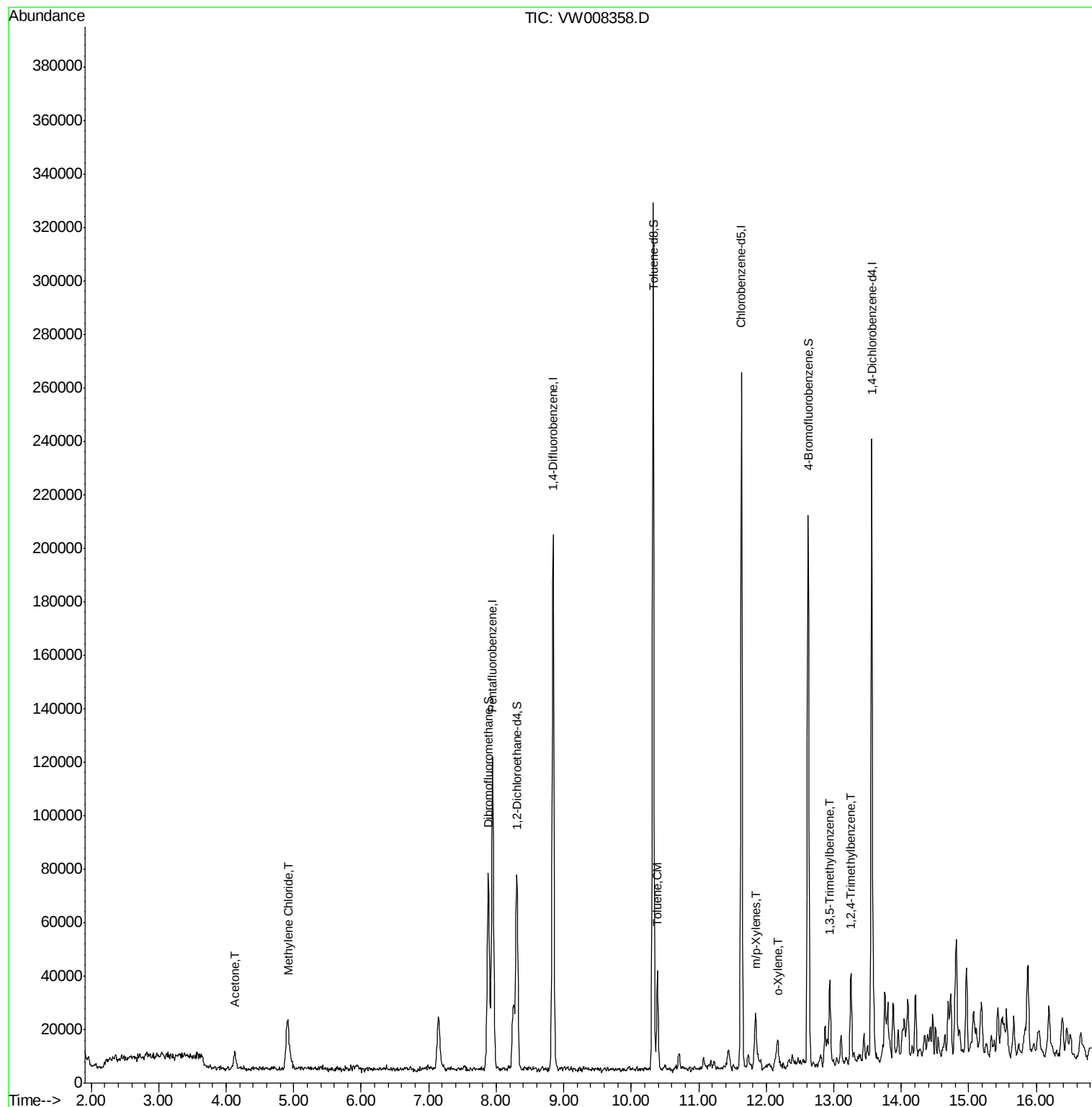
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|---------|------------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 82091    | 50.00  | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 160063   | 50.00  | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 141148   | 50.00  | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 55929    | 50.00  | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |        |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 55528    | 65.03  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 130.06% |            |
| 35) Dibromofluoromethane    | 7.88  | 113  | 53115    | 51.98  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.96% |            |
| 50) Toluene-d8              | 10.32 | 98   | 203615   | 50.73  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.46% |            |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 63558    | 44.15  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.30%  |            |
| Target Compounds            |       |      |          |        |         |            |
| 16) Acetone                 | 4.13  | 43   | 10923    | 55.079 | ug/l    | Qvalue 100 |
| 20) Methylene Chloride      | 4.92  | 84   | 17036    | 16.109 | ug/l    | 91         |
| 52) Toluene                 | 10.38 | 92   | 15330    | 5.310  | ug/l    | 96         |
| 68) m/p-Xylenes             | 11.84 | 106  | 3705     | 1.786  | ug/l    | 86         |
| 69) o-Xylene                | 12.16 | 106  | 2582     | 1.332  | ug/l    | 93         |
| 80) 1,3,5-Trimethylbenzene  | 12.94 | 105  | 9612     | 2.827  | ug/l    | 96         |
| 84) 1,2,4-Trimethylbenzene  | 13.26 | 105  | 17913    | 5.171  | ug/l    | 99         |

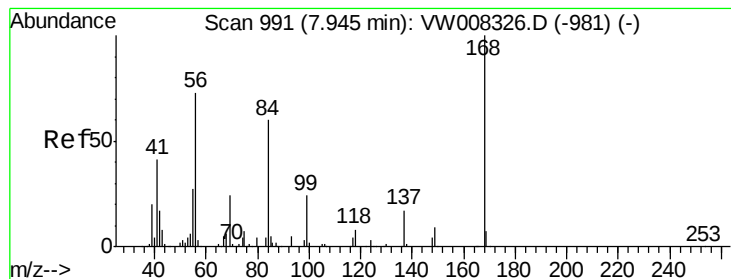
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011819\  
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Quant Time: Jan 19 04:15:40 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W011719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 18 00:57:07 2019  
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: VW008358.D

Acq: 18 Jan 2019 16:09

Instrument :

MSVOA\_W

ClientSampleId :

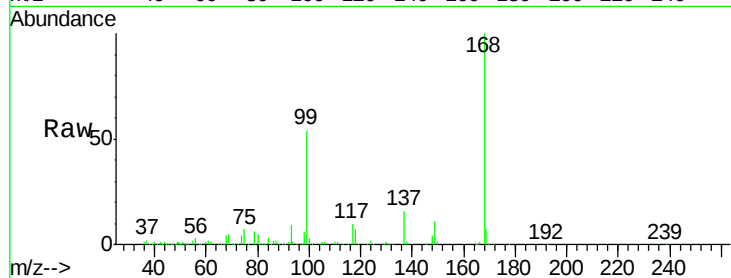
SU-01-011719-A

Tot Ion:168 Resp: 82091

Ion Ratio Lower Upper

168 100

99 53.8 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

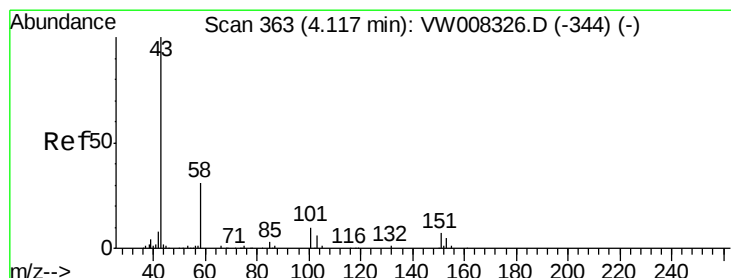
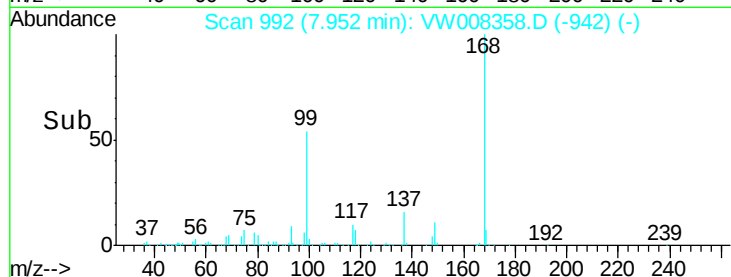
20000

10000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 55.079 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008358.D

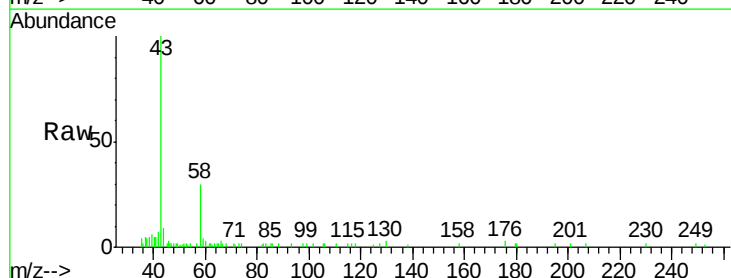
Acq: 18 Jan 2019 16:09

Tgt Ion: 43 Resp: 10923

Ion Ratio Lower Upper

43 100

58 30.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

4000

3000

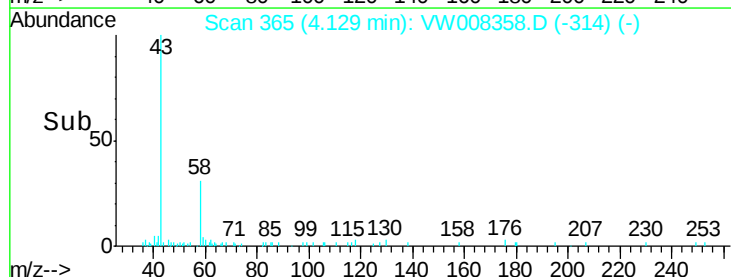
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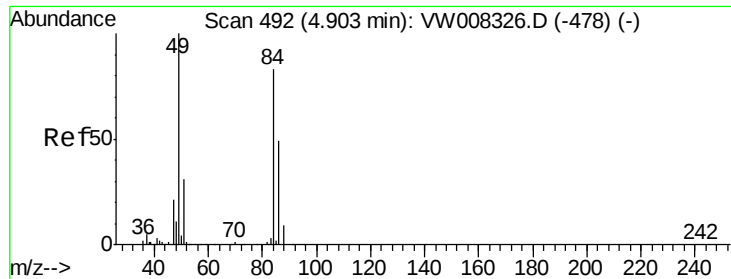
1000

0

4.00 4.10 4.20

Time-->

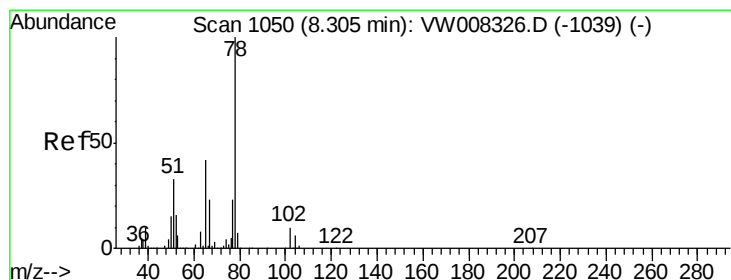
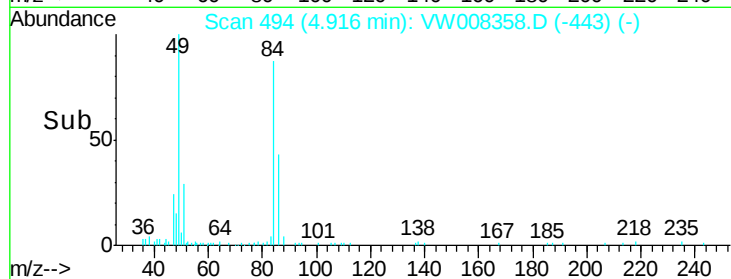
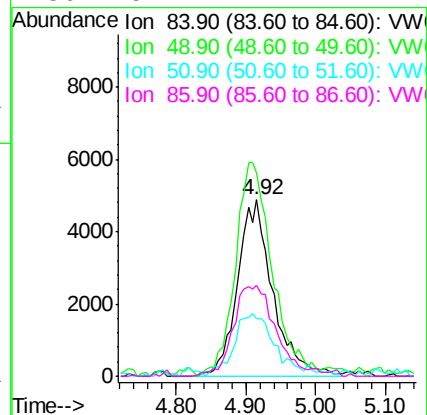
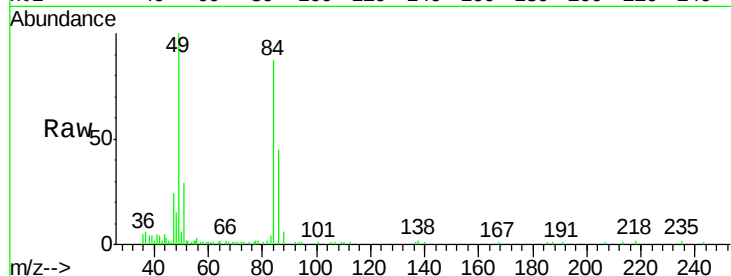




#20  
Methylene Chloride  
Concen: 16.109 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW008358.D  
Acq: 18 Jan 2019 16:09

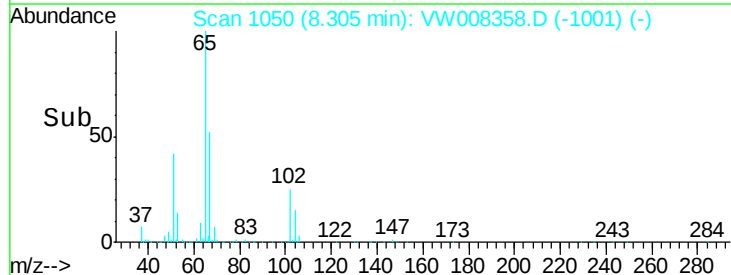
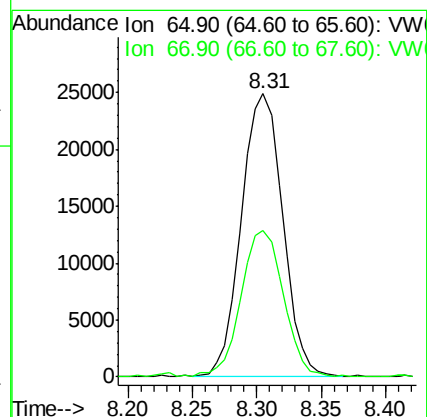
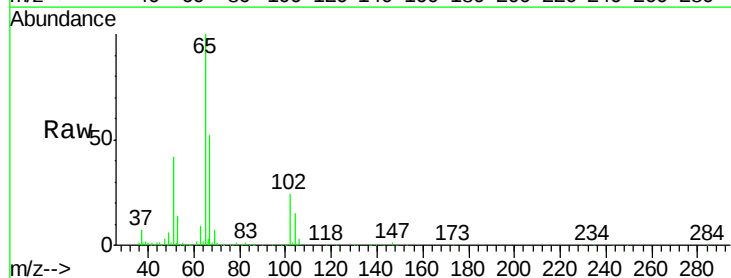
Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-01-011719-A

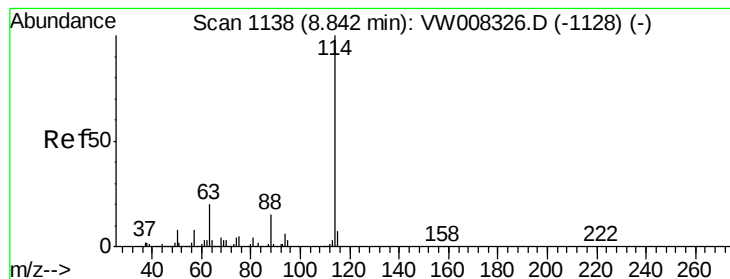
Tot Ion: 84 Resp: 17036  
Ion Ratio Lower Upper  
84 100  
49 112.5 95.9 143.9  
51 29.9 29.3 43.9  
86 51.4 47.4 71.2



#33  
1,2-Dichloroethane-d4  
Concen: 65.026 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VW008358.D  
Acq: 18 Jan 2019 16:09

Tgt Ion: 65 Resp: 55528  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008358.D

Acq: 18 Jan 2019 16:09

Instrument :

MSVOA\_W

ClientSampleId :

SU-01-011719-A

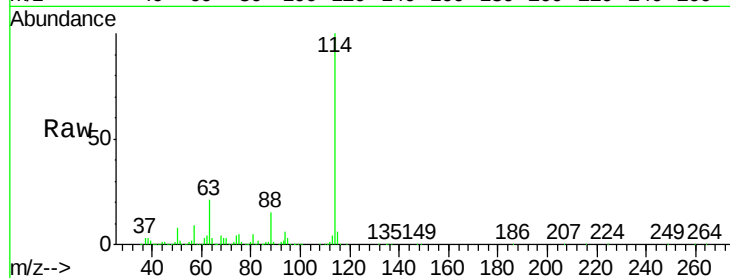
Tot Ion:114 Resp: 160063

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

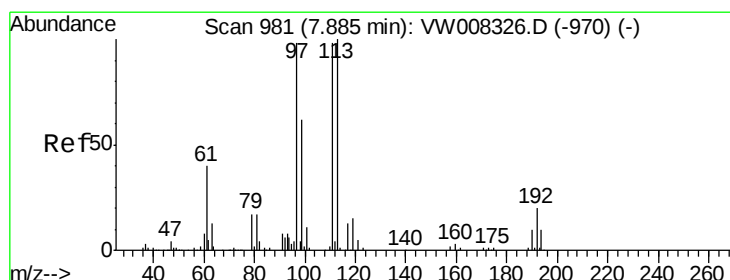
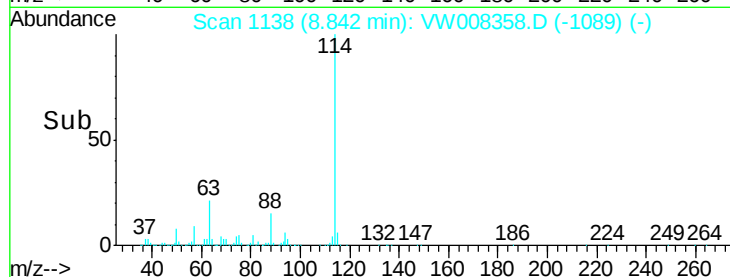
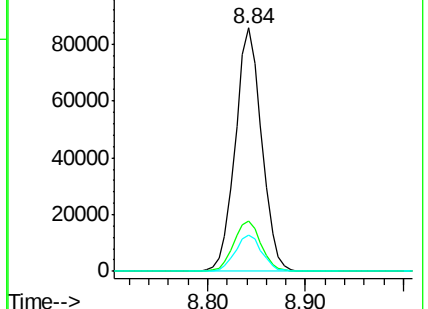
88 14.9 0.0 30.4



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: 51.985 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008358.D

Acq: 18 Jan 2019 16:09

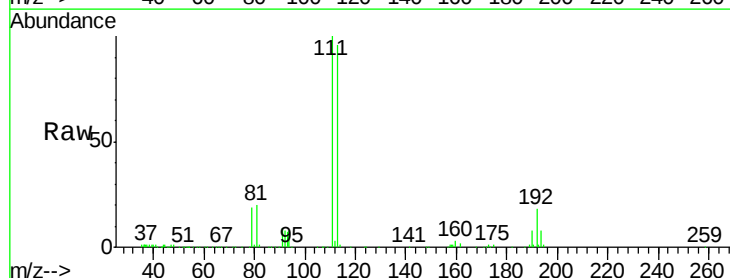
Tgt Ion:113 Resp: 53115

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.8

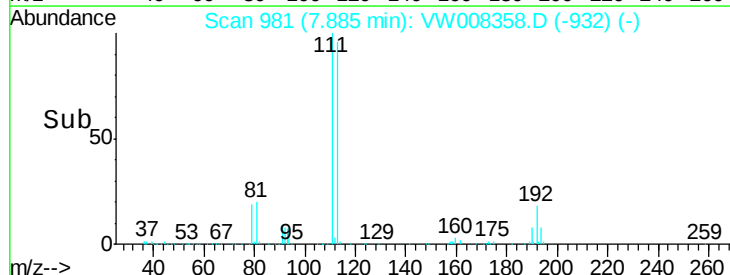
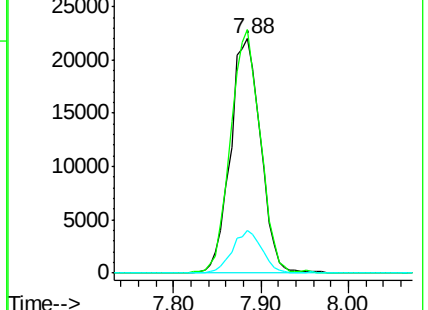
192 17.6 16.3 24.5

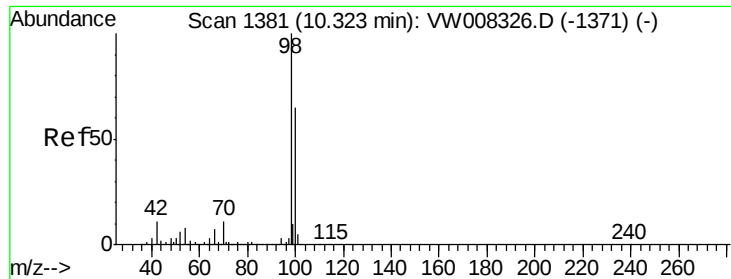


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

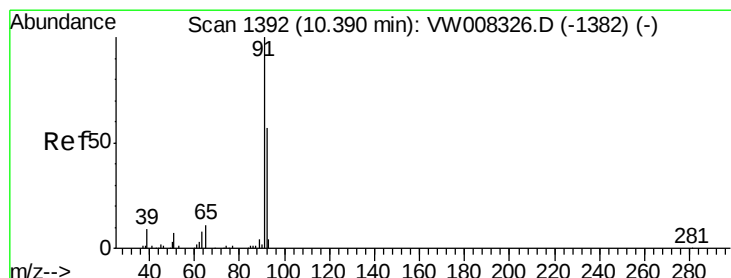
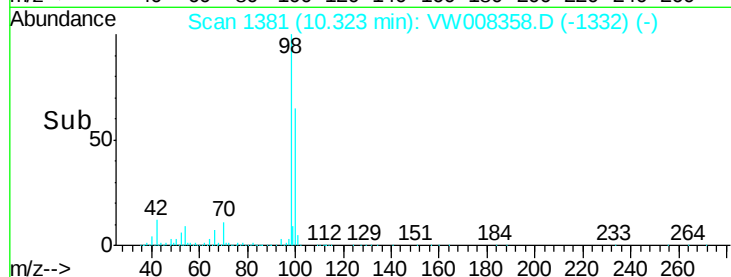
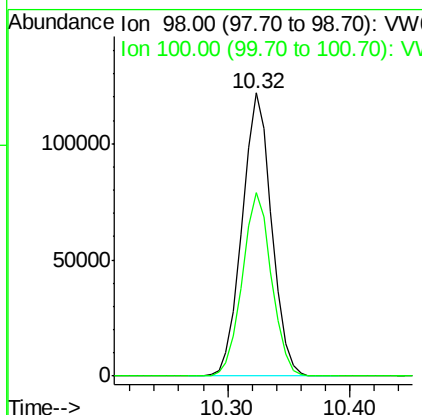
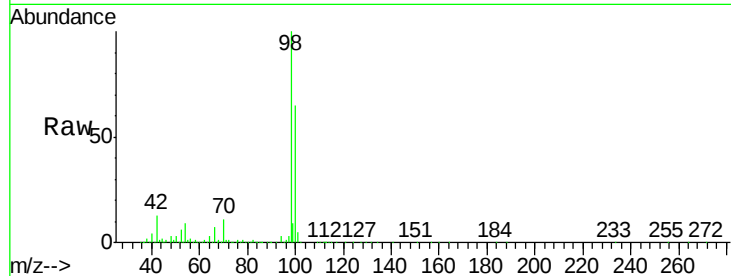




#50  
Toluene-d8  
Concen: 50.727 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW008358.D  
Acq: 18 Jan 2019 16:09

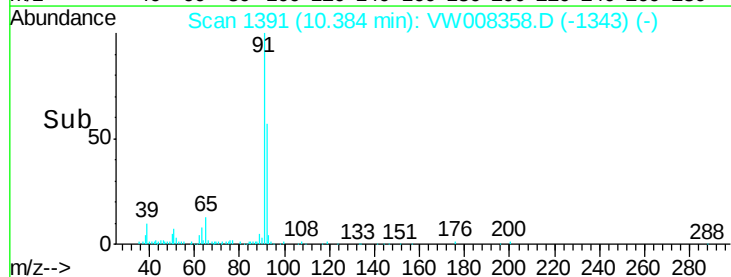
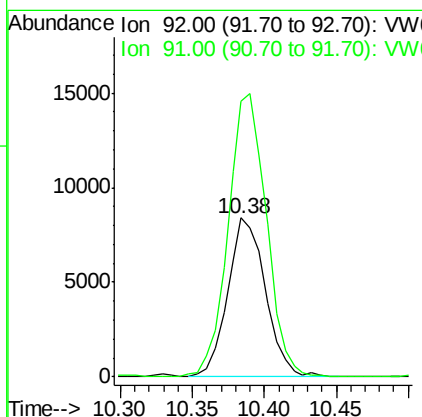
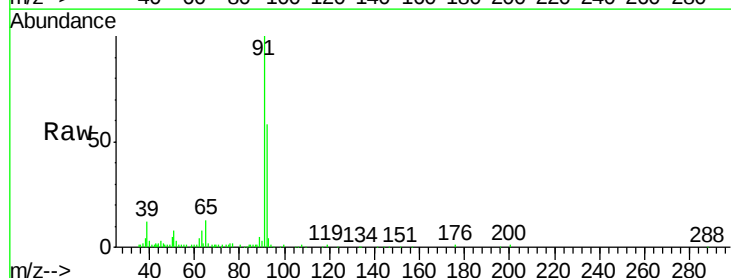
Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-01-011719-A

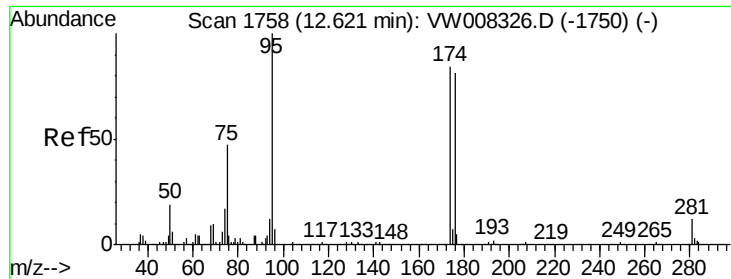
Tot Ion: 98 Resp: 203615  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.8 77.8



#52  
Toluene  
Concen: 5.310 ug/l  
RT: 10.38 min Scan# 1391  
Delta R.T. -0.01 min  
Lab File: VW008358.D  
Acq: 18 Jan 2019 16:09

Tgt Ion: 92 Resp: 15330  
Ion Ratio Lower Upper  
92 100  
91 180.4 140.2 210.2





#62

4-Bromofluorobenzene

Concen: 44.150 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008358.D

Acq: 18 Jan 2019 16:09

Instrument :

MSVOA\_W

ClientSampleId :

SU-01-011719-A

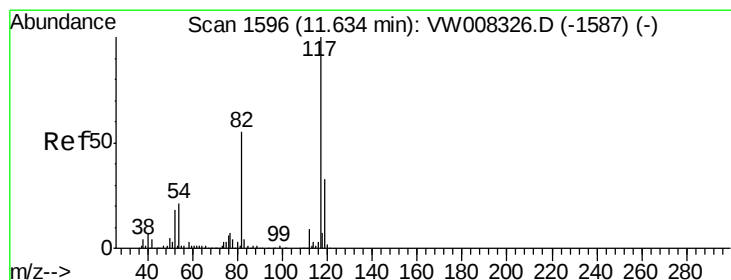
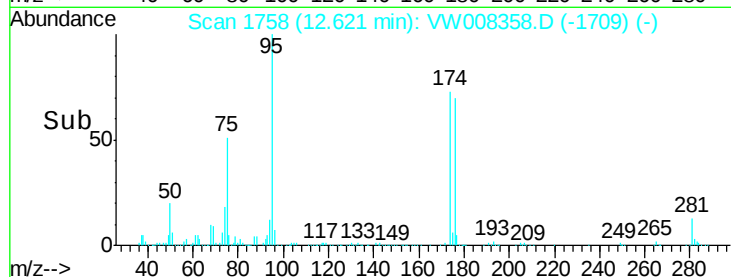
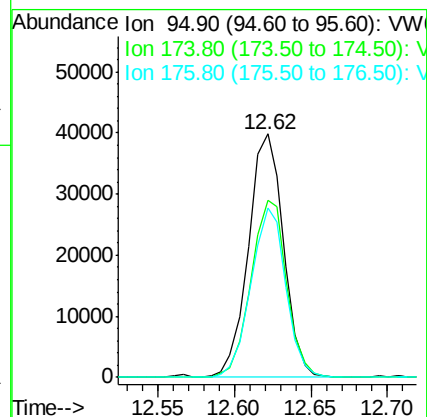
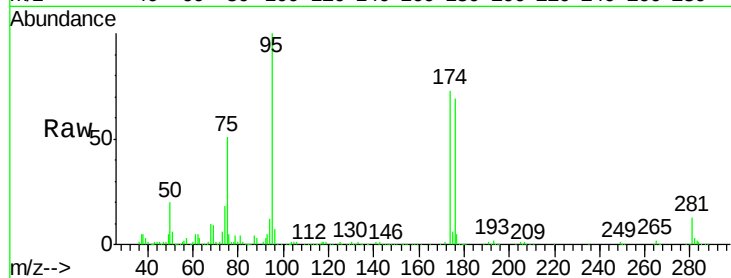
Tot Ion: 95 Resp: 63558

Ion Ratio Lower Upper

95 100

174 74.0 0.0 166.0

176 69.2 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008358.D

Acq: 18 Jan 2019 16:09

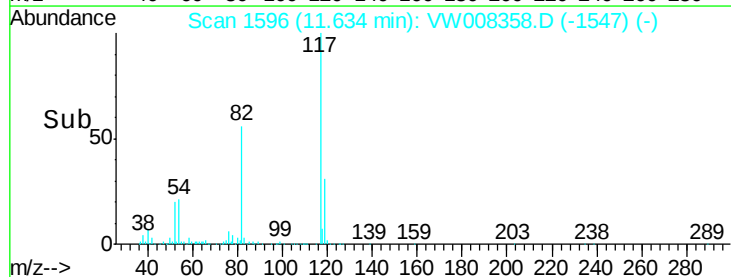
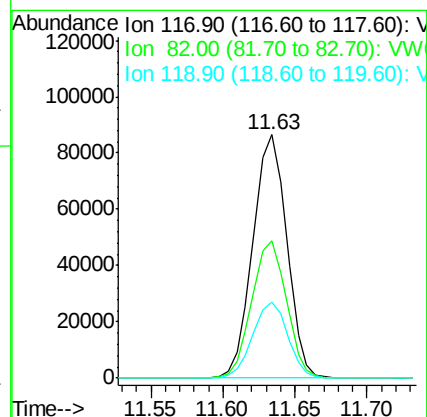
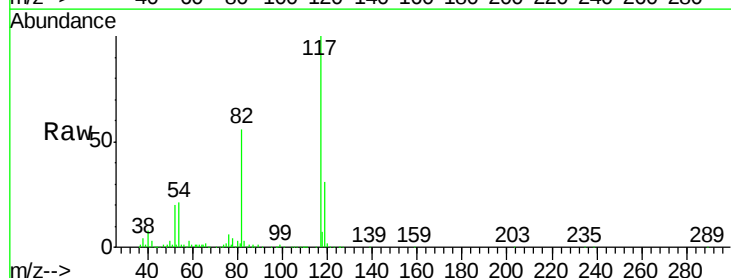
Tgt Ion: 117 Resp: 141148

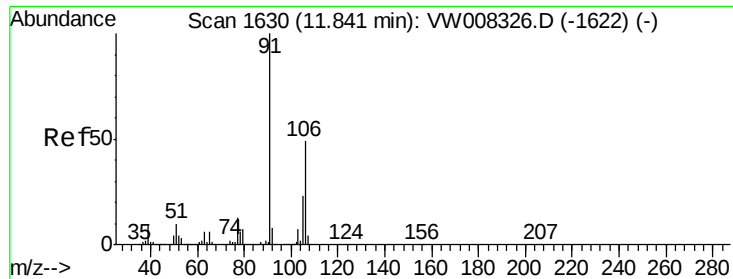
Ion Ratio Lower Upper

117 100

82 56.2 44.3 66.5

119 31.4 26.3 39.5

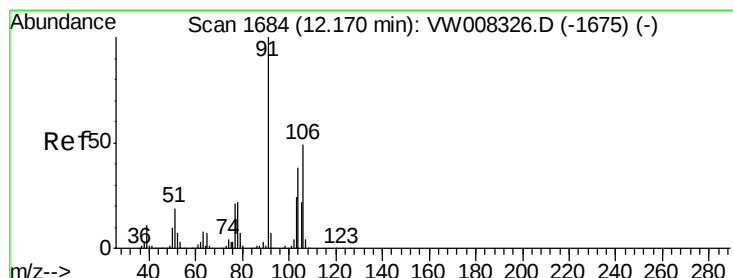
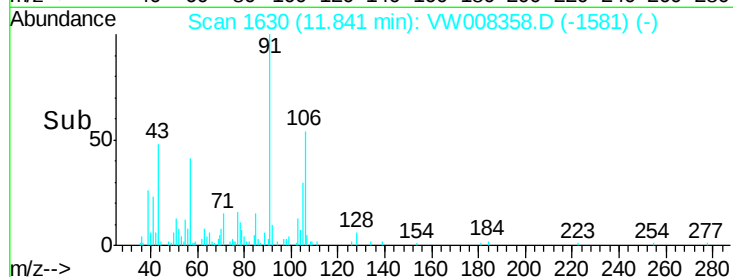
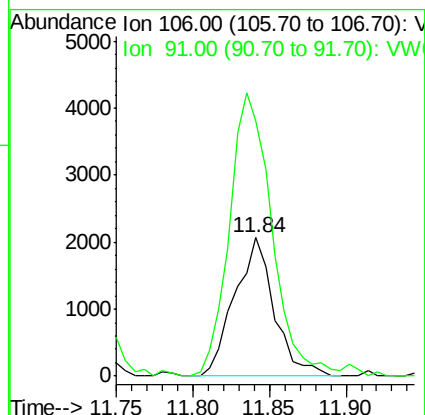
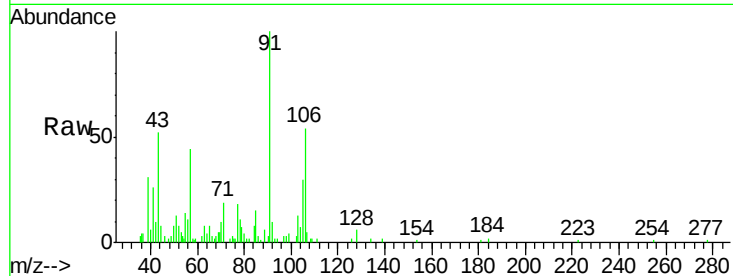




#68  
m/p-Xylenes  
Concen: 1.786 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW008358.D  
Acq: 18 Jan 2019 16:09

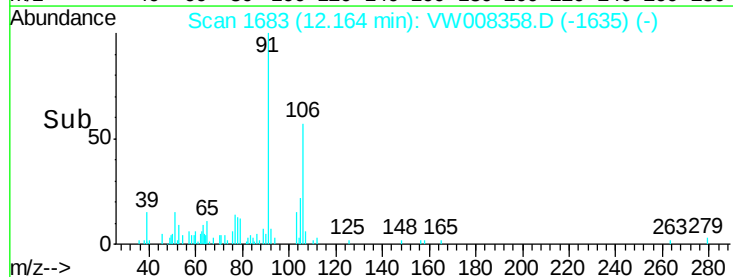
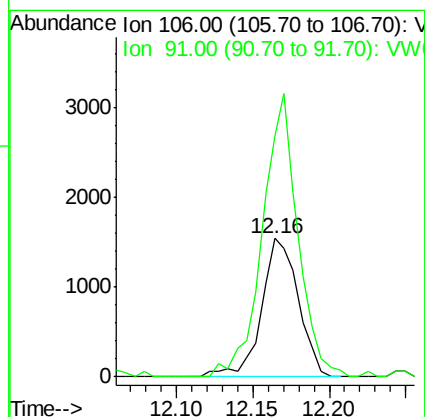
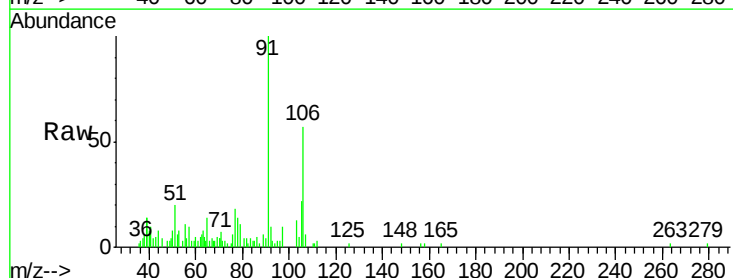
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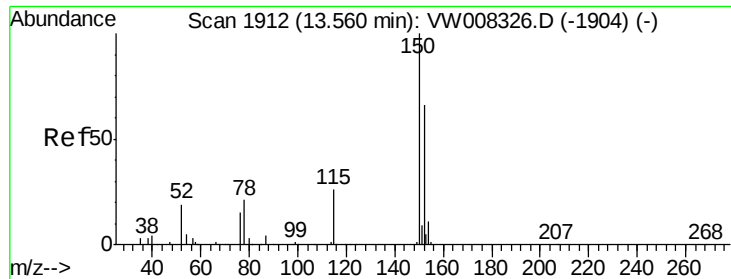
Tot Ion:106 Resp: 3705  
Ion Ratio Lower Upper  
106 100  
91 219.1 158.4 237.6



#69  
o-Xylene  
Concen: 1.332 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW008358.D  
Acq: 18 Jan 2019 16:09

Tgt Ion:106 Resp: 2582  
Ion Ratio Lower Upper  
106 100  
91 197.1 104.1 312.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008358.D

Acq: 18 Jan 2019 16:09

Instrument :

MSVOA\_W

ClientSampleId :

SU-01-011719-A

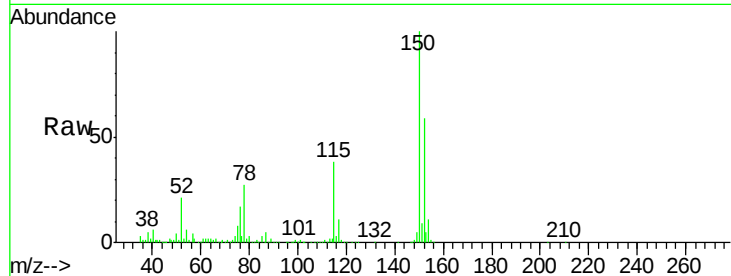
Tot Ion:152 Resp: 55929

Ion Ratio Lower Upper

152 100

115 61.5 28.8 86.4

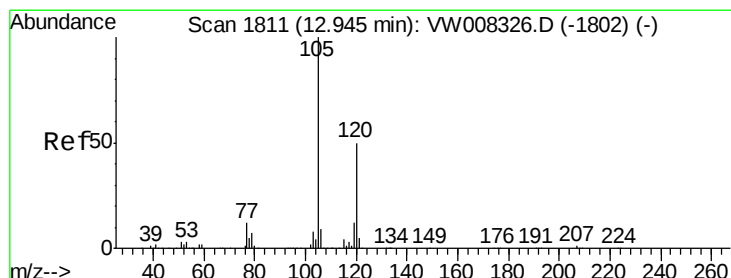
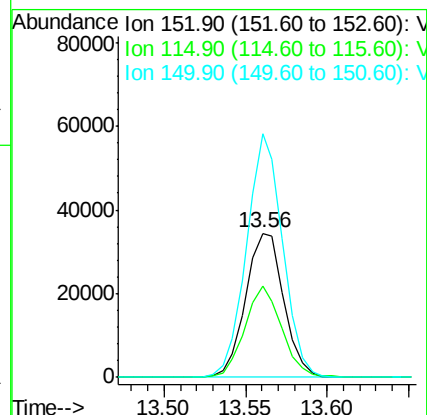
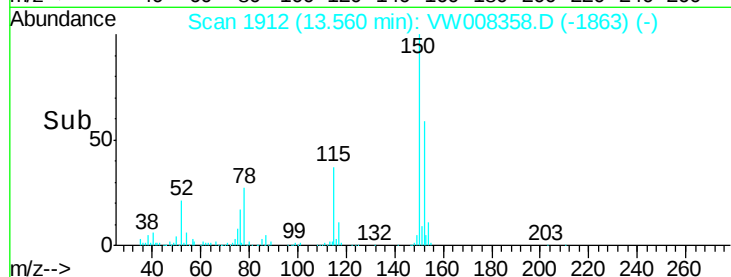
150 160.3 0.0 351.4



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



#80

1,3,5-Trimethylbenzene

Concen: 2.827 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008358.D

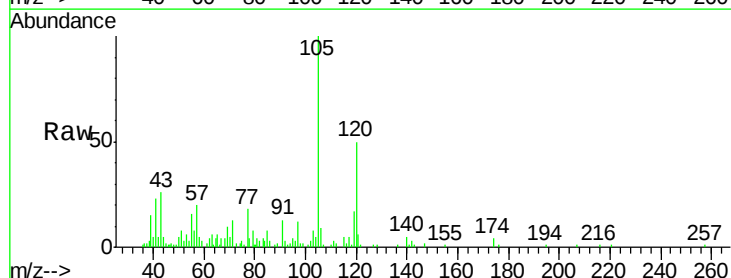
Acq: 18 Jan 2019 16:09

Tgt Ion:105 Resp: 9612

Ion Ratio Lower Upper

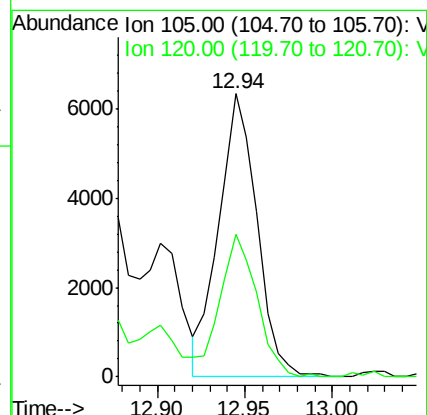
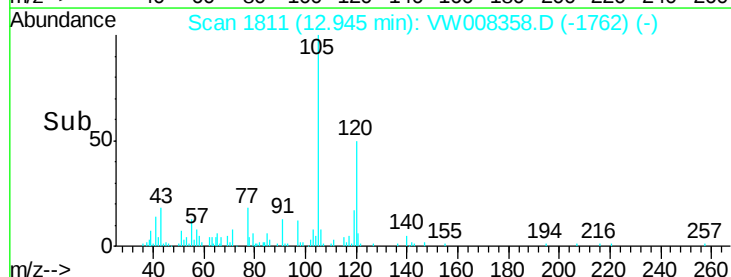
105 100

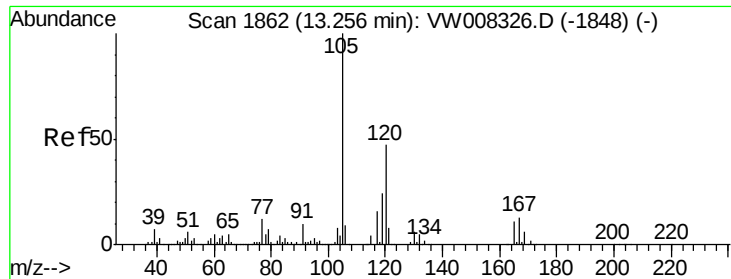
120 48.7 25.6 76.8



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: 5.171 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008358.D

Acq: 18 Jan 2019 16:09

Instrument :

MSVOA\_W

ClientSampleId :

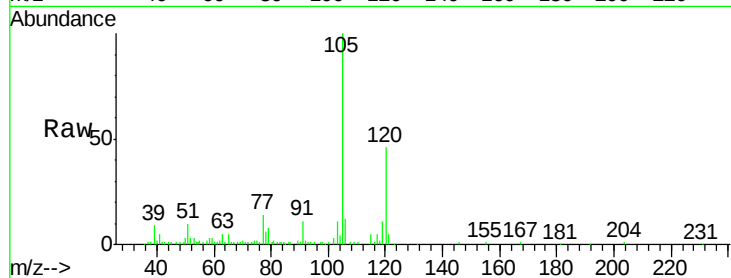
SU-01-011719-A

Tot Ion:105 Resp: 17913

Ion Ratio Lower Upper

105 100

120 47.8 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

