

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\  
 Data File : VW010662.D  
 Acq On : 03 Jun 2019 16:28  
 Operator : SY/VA  
 Sample : K3138-07  
 Misc : 5.05G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-08-15-2.0

Quant Time: Jun 04 08:12:10 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

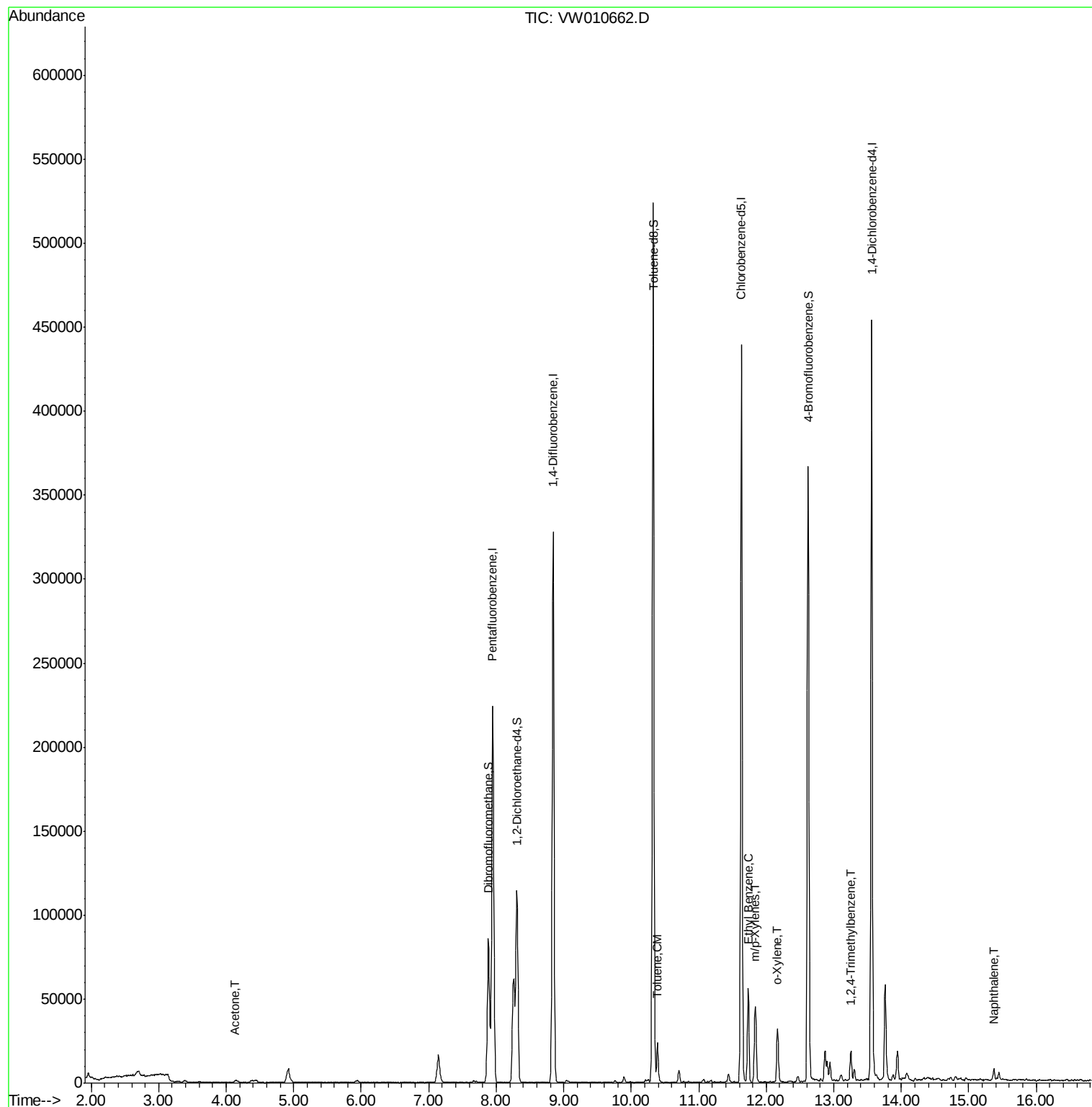
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 175016   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84   | 114  | 294767   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63  | 117  | 264617   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56  | 152  | 120697   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65   | 87206    | 48.27 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 96.54%  |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 61579    | 34.43 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 68.86%  |          |
| 50) Toluene-d8              | 10.32  | 98   | 357475   | 52.32 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 104.64% |          |
| 62) 4-Bromofluorobenzene    | 12.62  | 95   | 134409   | 49.39 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 98.78%  |          |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 16) Acetone                 | 4.14   | 43   | 2895     | 7.851 | ug/l    | 89       |
| 52) Toluene                 | 10.39  | 92   | 10741    | 2.096 | ug/l    | 93       |
| 67) Ethyl Benzene           | 11.73  | 91   | 39431    | 3.960 | ug/l    | 99       |
| 68) m/p-Xylenes             | 11.84  | 106  | 16273    | 4.167 | ug/l    | 95       |
| 69) o-Xylene                | 12.17  | 106  | 9122     | 2.465 | ug/l    | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.26  | 105  | 10221    | 1.265 | ug/l    | 97       |
| 95) Naphthalene             | 15.37  | 128  | 5729     | 1.047 | ug/l #  | 97       |

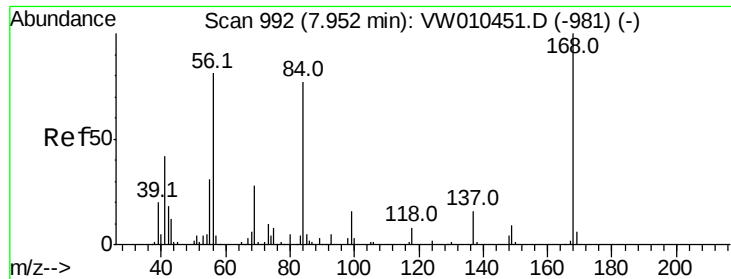
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060319\  
Data File : VW010662.D  
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Operator : SY/VA  
Sample : K3138-07  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-08-1.5-2.0

Quant Time: Jun 04 08:12:10 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 21 06:38:43 2019  
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: VW010662.D

Acq: 03 Jun 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

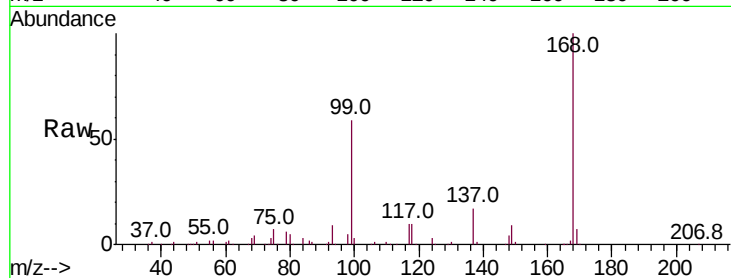
B-08-1.5-2.0

Tot Ion:168 Resp: 175016

Ion Ratio Lower Upper

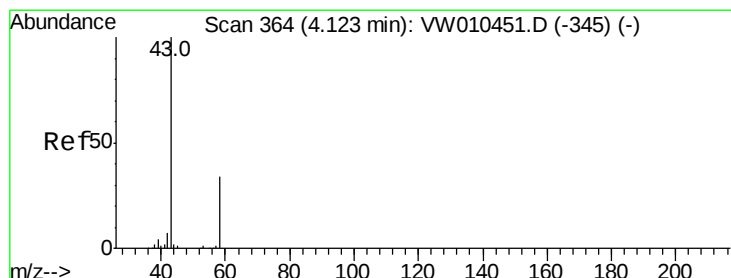
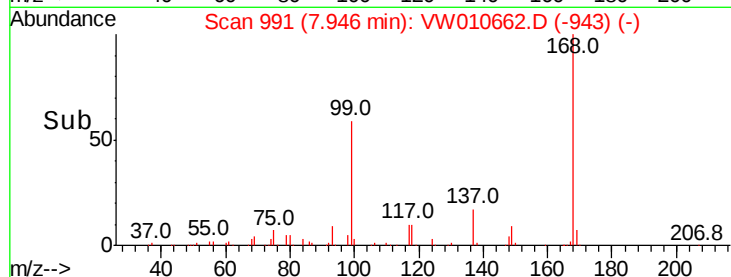
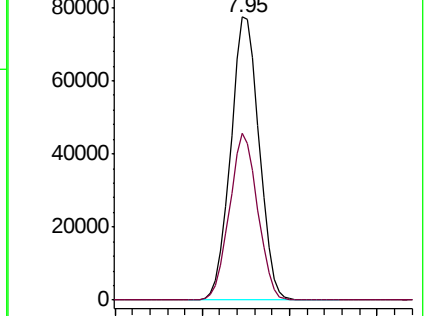
168 100

99 59.0 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 7.851 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010662.D

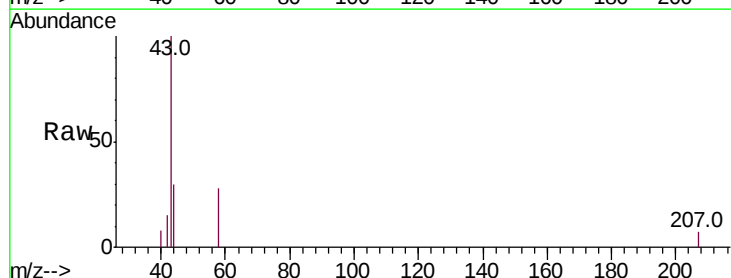
Acq: 03 Jun 2019 16:28

Tgt Ion: 43 Resp: 2895

Ion Ratio Lower Upper

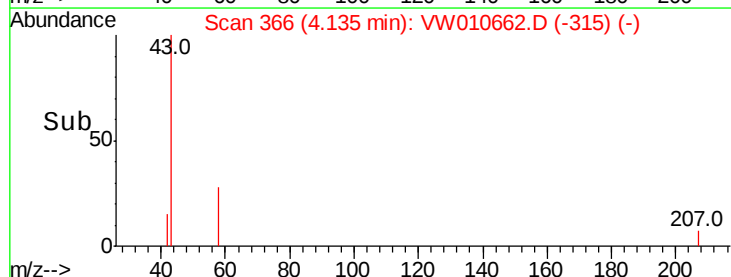
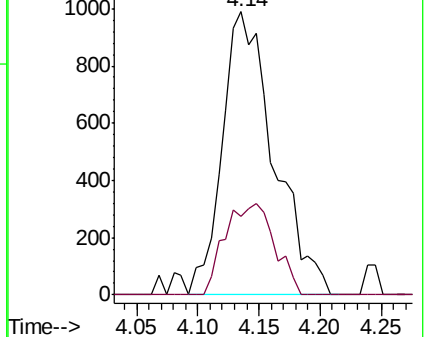
43 100

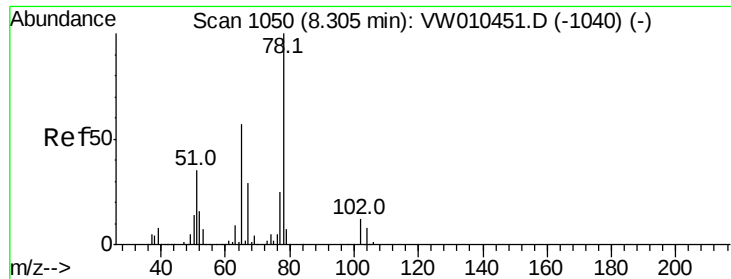
58 27.7 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

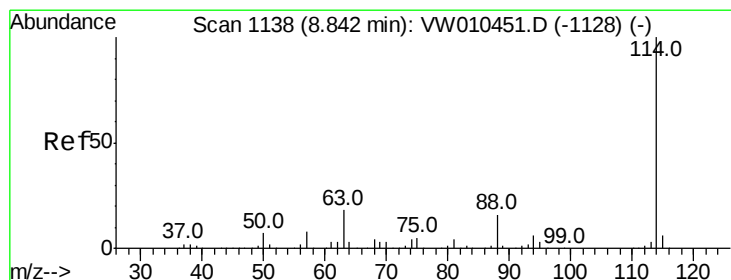
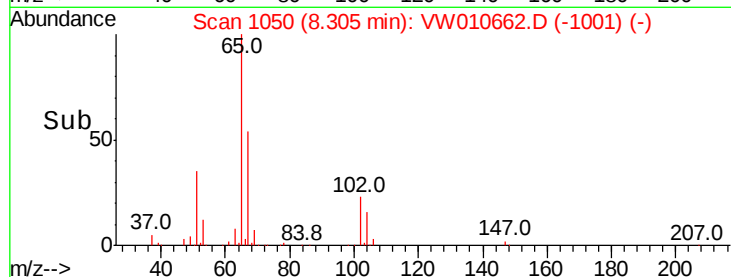
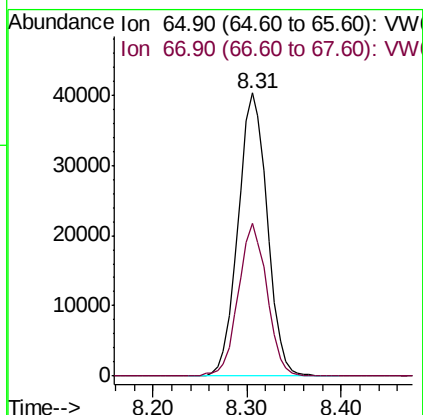
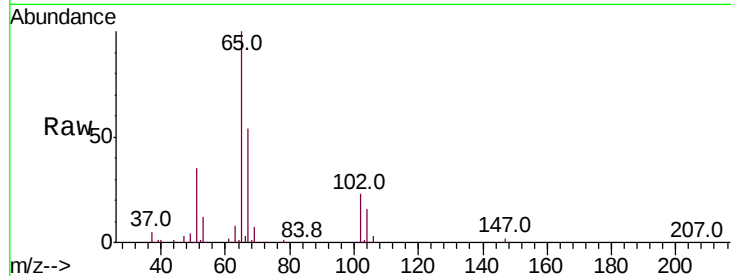




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.274 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW010662.D  
 Acq: 03 Jun 2019 16:28

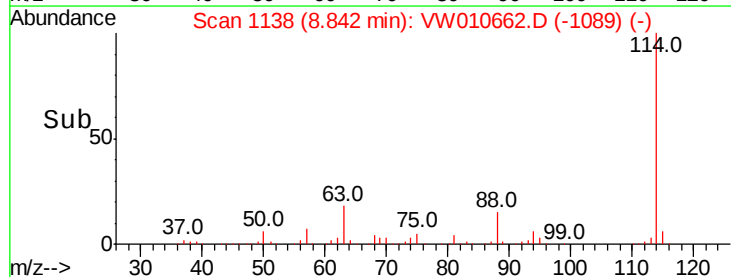
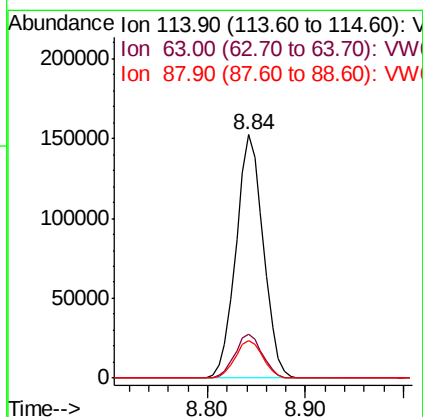
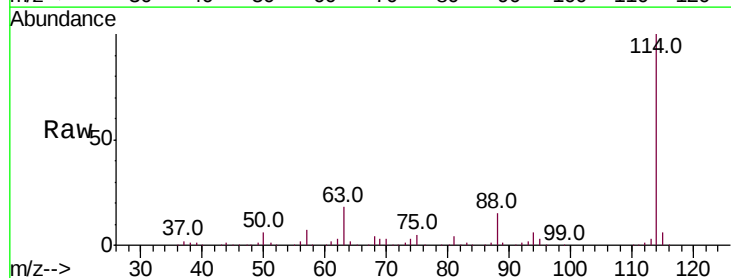
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 B-08-1.5-2.0

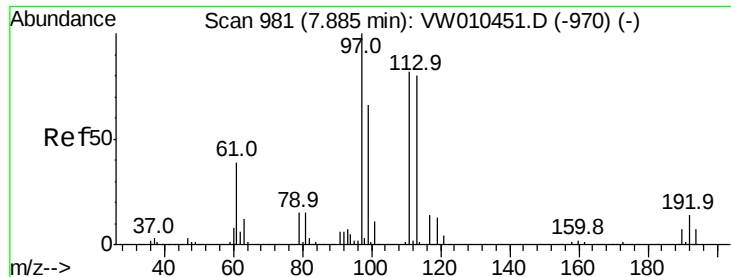
Tot Ion: 65 Resp: 87206  
 Ion Ratio Lower Upper  
 65 100  
 67 52.9 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW010662.D  
 Acq: 03 Jun 2019 16:28

Tgt Ion: 114 Resp: 294767  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 36.0  
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 34.429 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

B-08-1.5-2.0

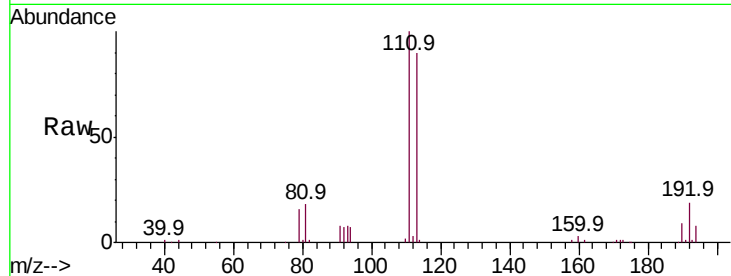
Tot Ion:113 Resp: 61579

Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

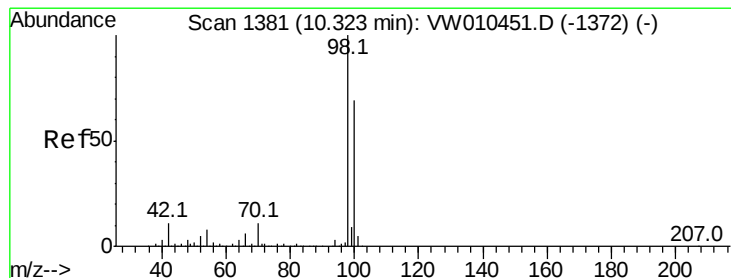
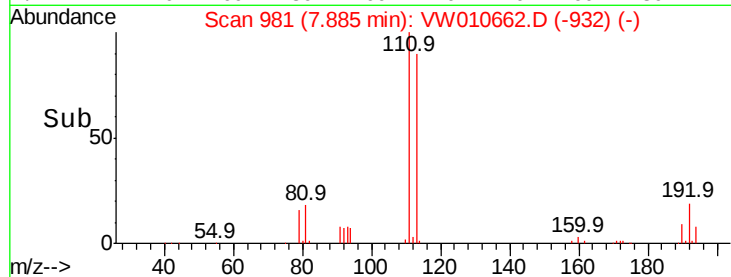
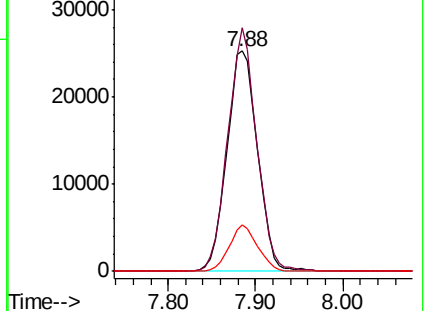
192 19.4 14.3 21.5



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



#50

Toluene-d8

Concen: 52.317 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010662.D

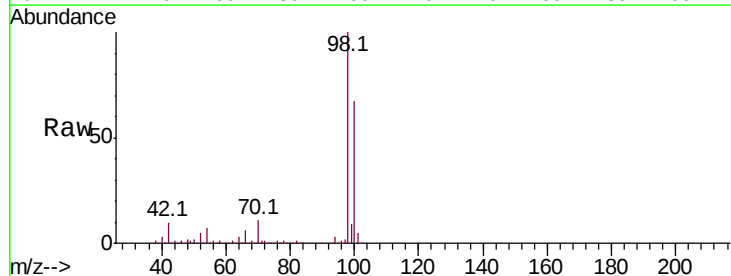
Acq: 03 Jun 2019 16:28

Tgt Ion: 98 Resp: 357475

Ion Ratio Lower Upper

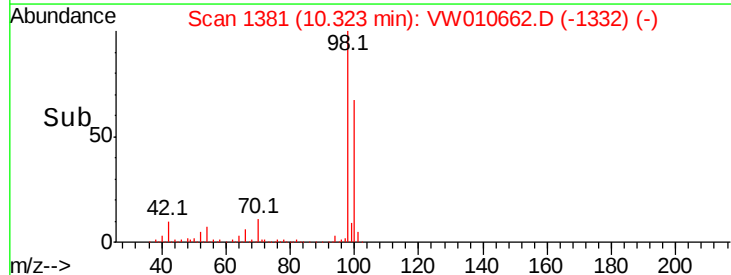
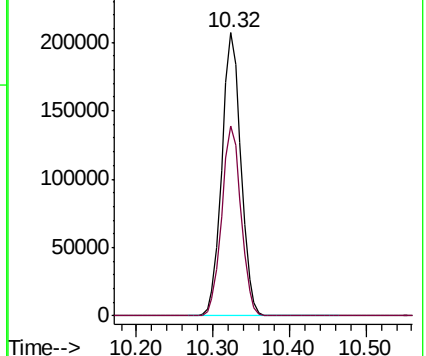
98 100

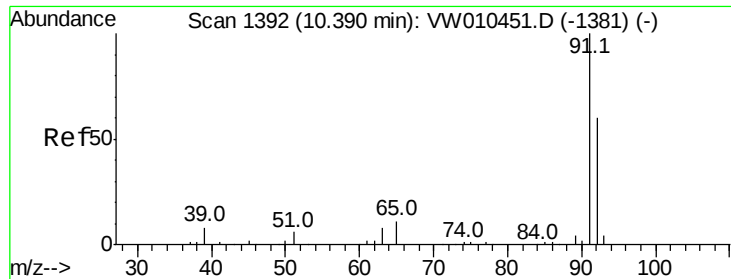
100 67.4 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.096 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

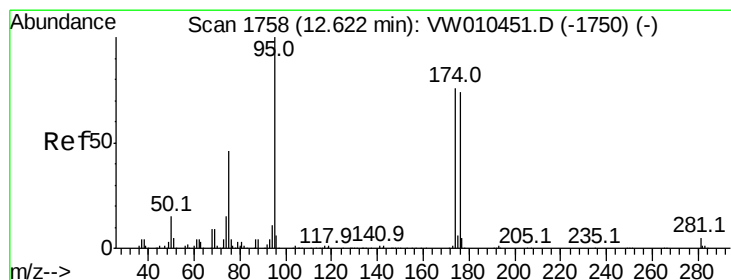
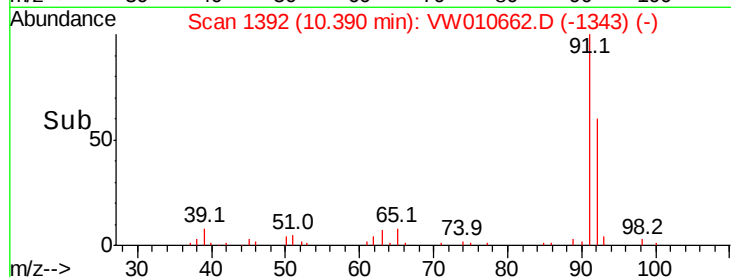
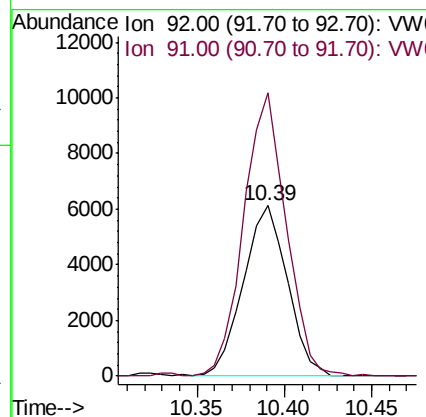
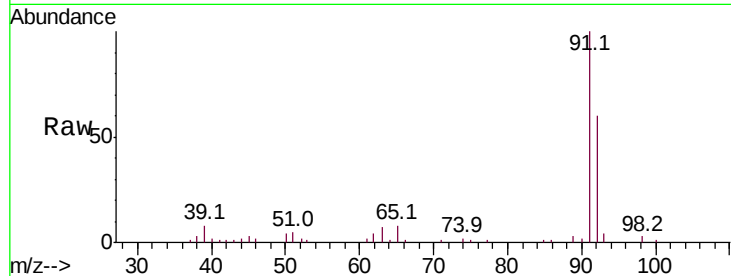
B-08-1.5-2.0

Tot Ion: 92 Resp: 10741

Ion Ratio Lower Upper

92 100

91 160.1 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 49.386 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

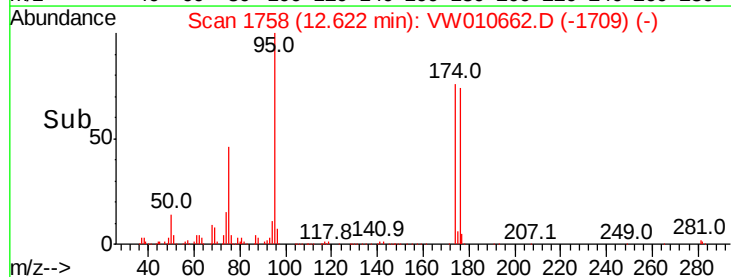
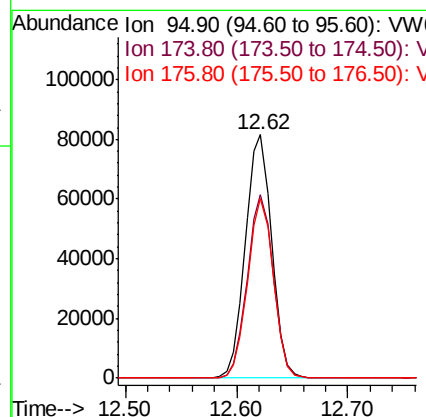
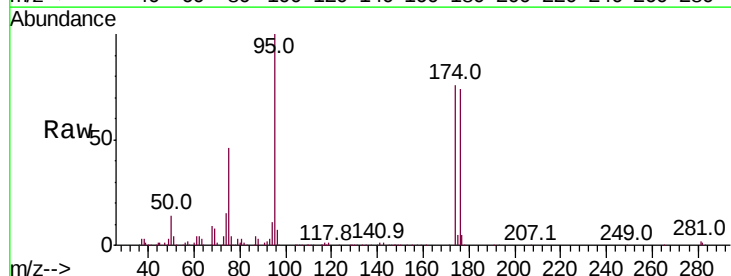
Tgt Ion: 95 Resp: 134409

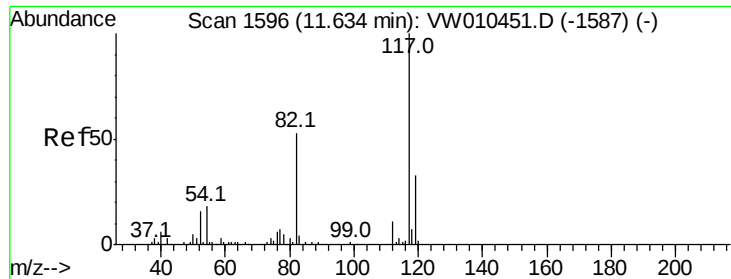
Ion Ratio Lower Upper

95 100

174 74.3 0.0 148.6

176 71.9 0.0 144.2

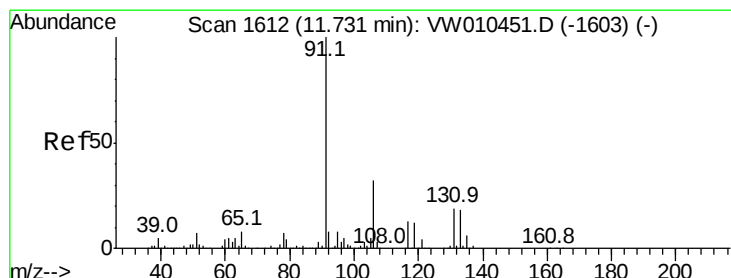
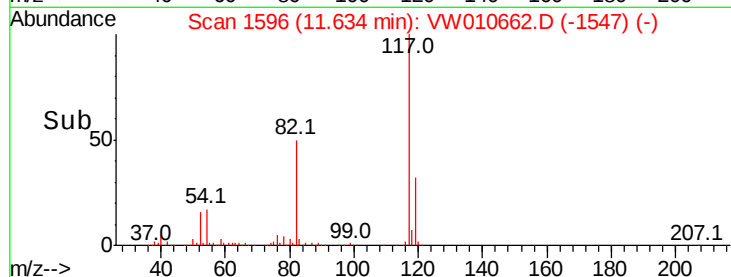
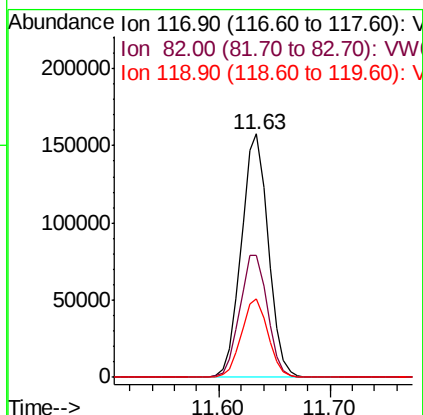
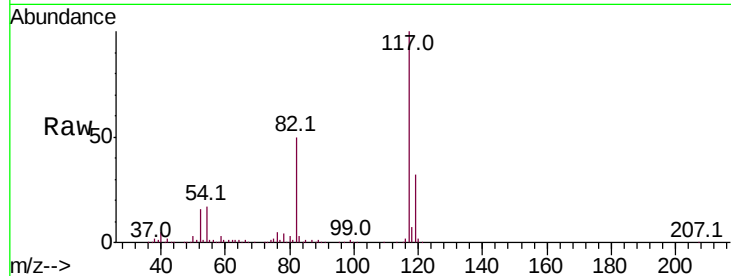




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW010662.D  
Acq: 03 Jun 2019 16:28

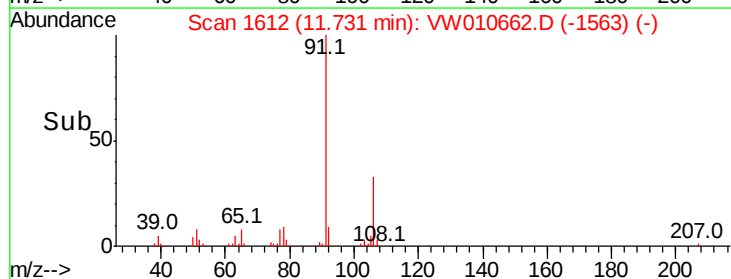
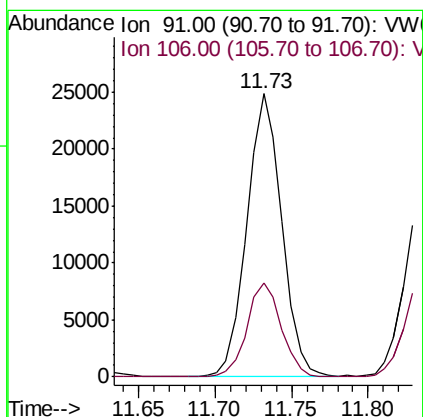
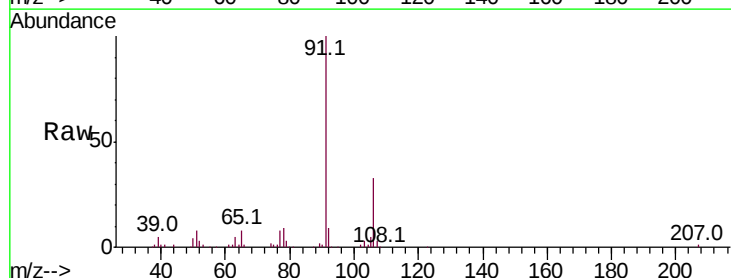
Instrument :  
MSVOA\_W  
ClientSampled :  
B-08-1.5-2.0

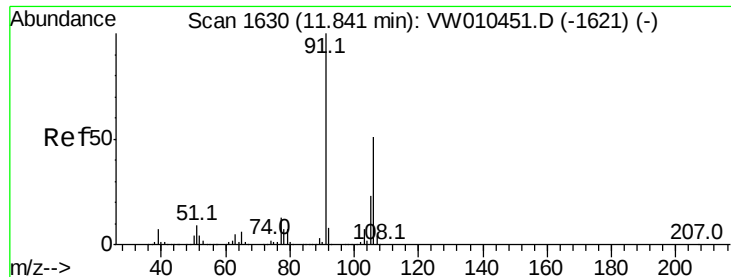
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.0  | 42.8  | 64.2  |
| 119     | 32.2  | 26.3  | 39.5  |



#67  
Ethyl Benzene  
Concen: 3.960 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW010662.D  
Acq: 03 Jun 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 33.2  | 25.9  | 38.9  |

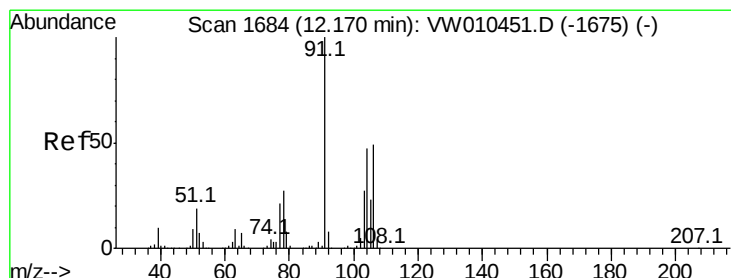
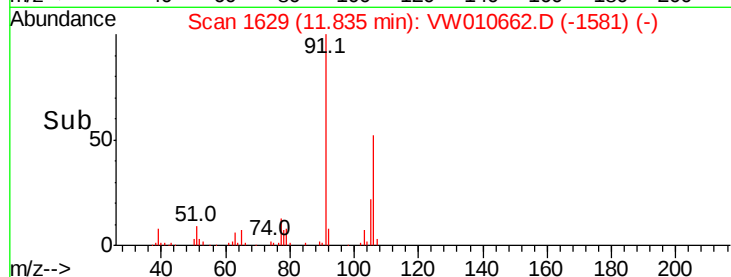
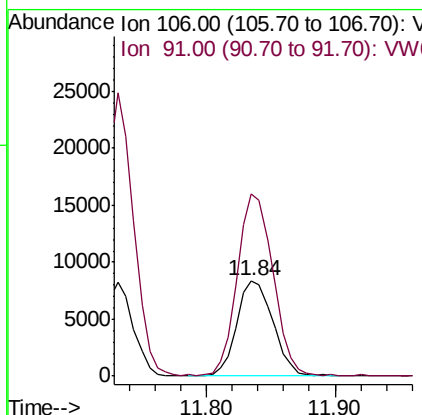
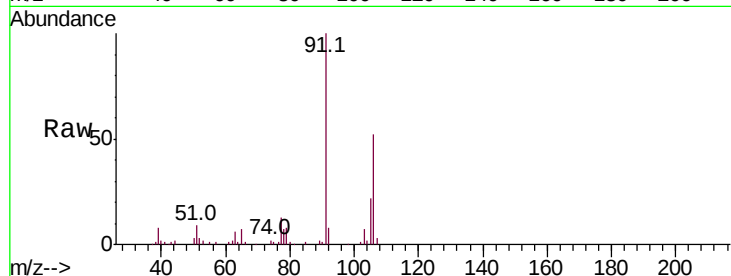




#68  
m/p-Xylenes  
Concen: 4.167 ug/l  
RT: 11.84 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW010662.D  
Acq: 03 Jun 2019 16:28

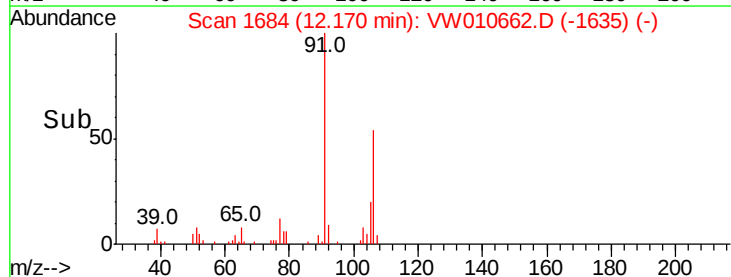
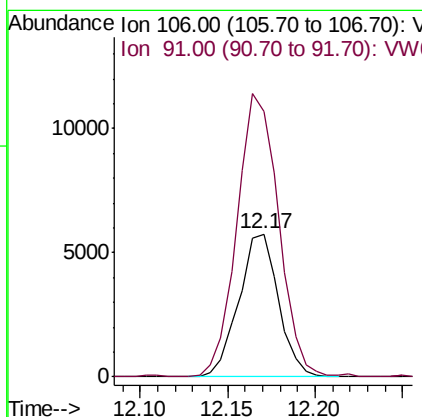
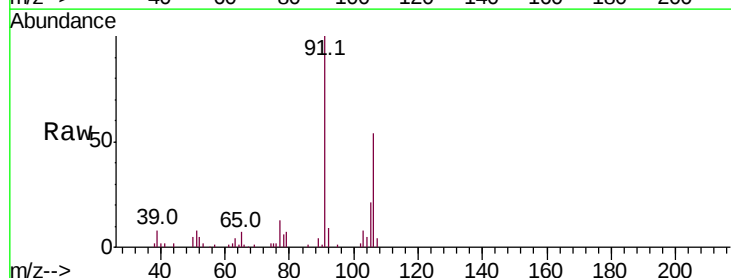
Instrument :  
MSVOA\_W  
ClientSampleId :  
B-08-1.5-2.0

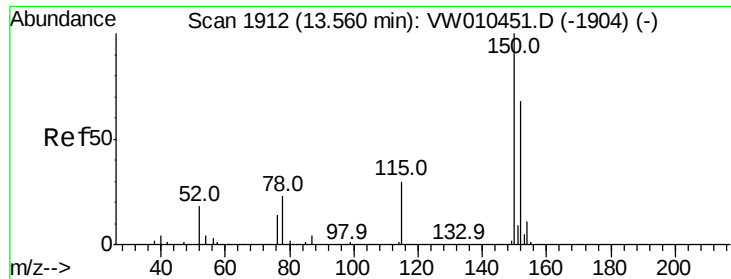
Tot Ion:106 Resp: 16273  
Ion Ratio Lower Upper  
106 100  
91 187.7 156.0 234.0



#69  
o-Xylene  
Concen: 2.465 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW010662.D  
Acq: 03 Jun 2019 16:28

Tgt Ion:106 Resp: 9122  
Ion Ratio Lower Upper  
106 100  
91 207.9 103.2 309.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

B-08-1.5-2.0

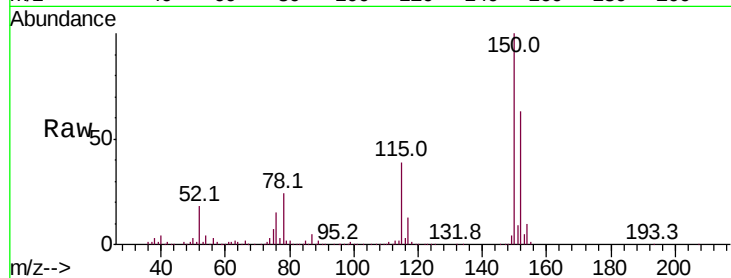
Tot Ion:152 Resp: 120697

Ion Ratio Lower Upper

152 100

115 60.9 30.3 91.0

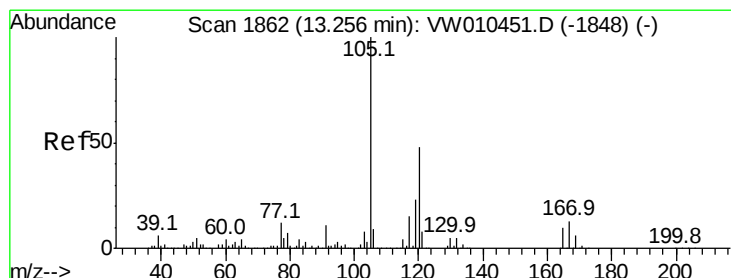
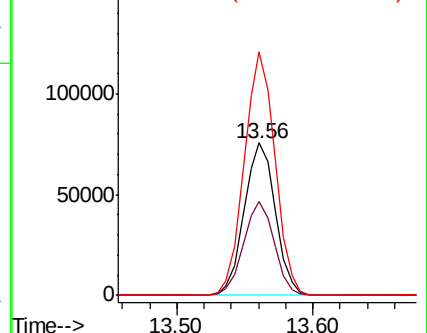
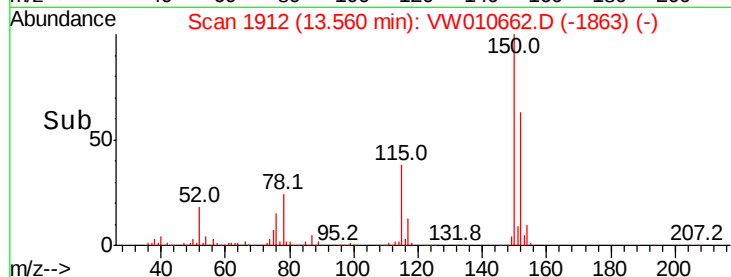
150 158.0 0.0 349.8



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



#84

1,2,4-Trimethylbenzene

Concen: 1.265 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW010662.D

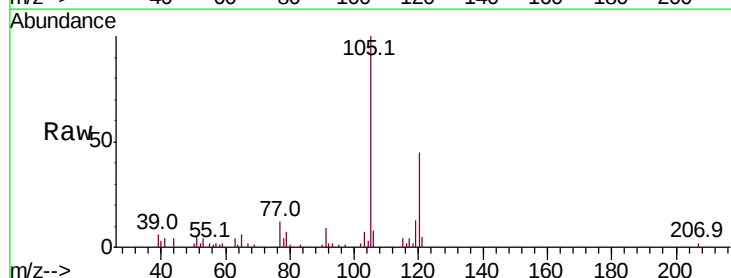
Acq: 03 Jun 2019 16:28

Tgt Ion:105 Resp: 10221

Ion Ratio Lower Upper

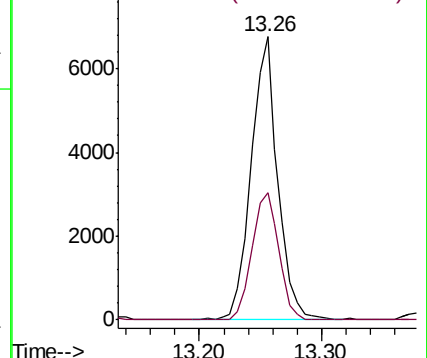
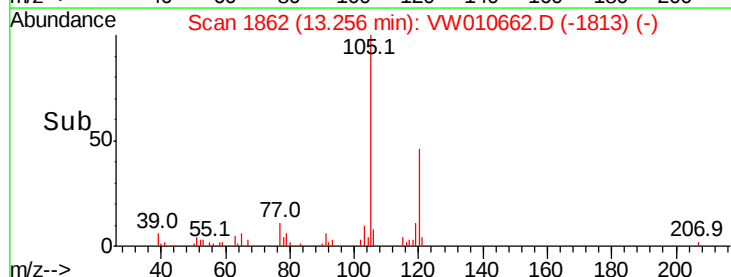
105 100

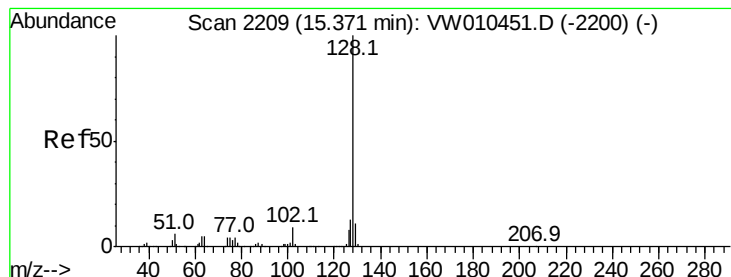
120 45.0 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.047 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010662.D

Acq: 03 Jun 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

B-08-1.5-2.0

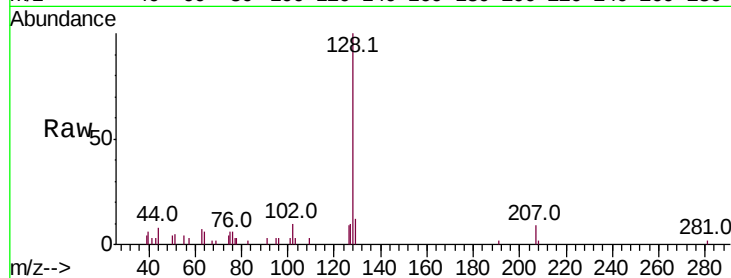
Tot Ion:128 Resp: 5729

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 13.8 8.9 13.3#



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

