

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\  
 Data File : VW010515.D  
 Acq On : 22 May 2019 17:25  
 Operator : SY/VA  
 Sample : K3002-08  
 Misc : 5.03G/5ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 22-C6-20190413

Quant Time: May 23 08:06:35 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

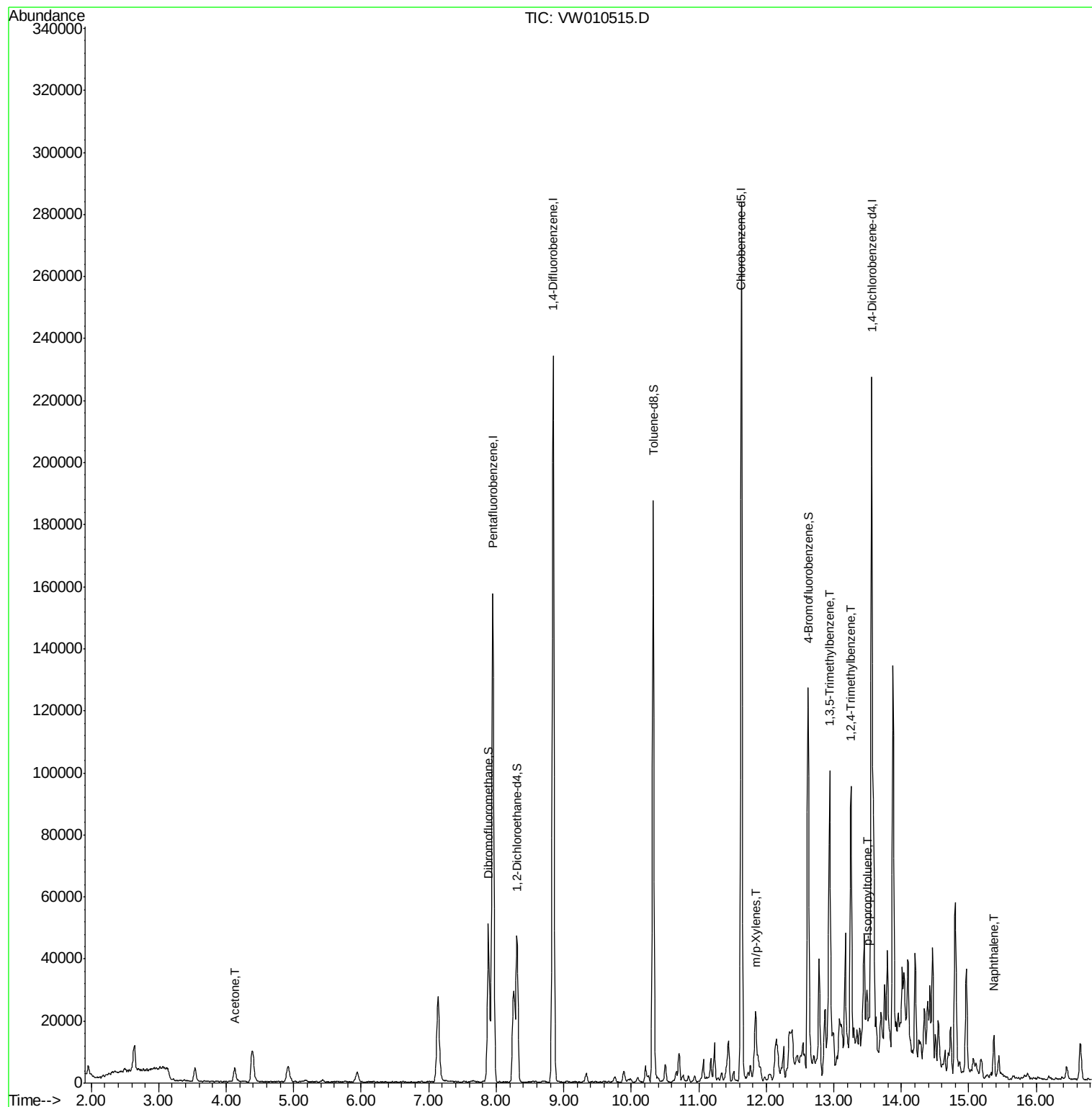
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 115168   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84   | 114  | 207204   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.63  | 117  | 162090   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56  | 152  | 53274    | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65   | 36363    | 30.59  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 61.18% |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 37069    | 29.48  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 58.96% |          |
| 50) Toluene-d8              | 10.32  | 98   | 126330   | 26.30  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 52.60% |          |
| 62) 4-Bromofluorobenzene    | 12.62  | 95   | 43437    | 22.70  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 45.40% |          |
| Target Compounds            |        |      |          |        |        |          |
| 16) Acetone                 | 4.12   | 43   | 7909     | 32.595 | ug/l   | 94       |
| 68) m/p-Xylenes             | 11.83  | 106  | 3304     | 1.381  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 12.94  | 105  | 16395    | 4.579  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.26  | 105  | 48324    | 13.551 | ug/l   | 98       |
| 86) p-Isopropyltoluene      | 13.50  | 119  | 4979     | 1.257  | ug/l   | 91       |
| 95) Naphthalene             | 15.37  | 128  | 11970    | 4.956  | ug/l   | 97       |

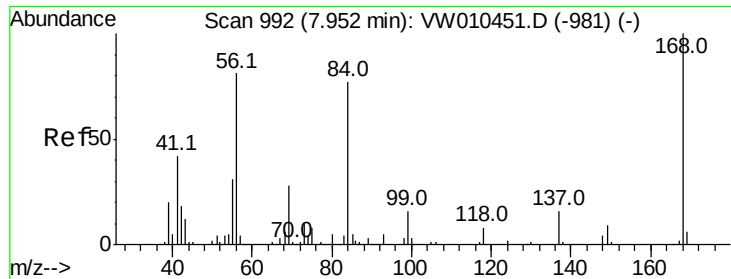
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\  
Data File : VW010515.D  
Acq On : 22 May 2019 17:25  
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MSVOA\_W  
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Quant Time: May 23 08:06:35 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# 992

Delta R.T. -0.00 min

Lab File: VW010515.D

Acq: 22 May 2019 17:25

Instrument :

MSVOA\_W

ClientSampleId :

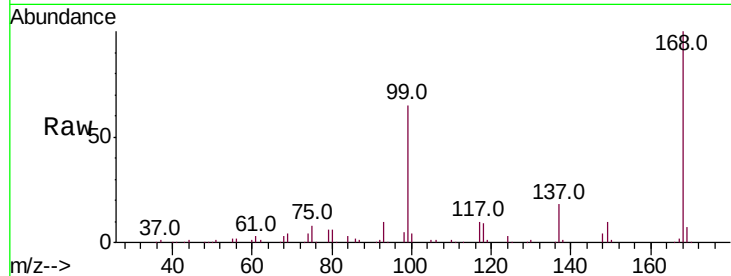
22-C6-20190413

Tot Ion:168 Resp: 115168

Ion Ratio Lower Upper

168 100

99 65.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

20000

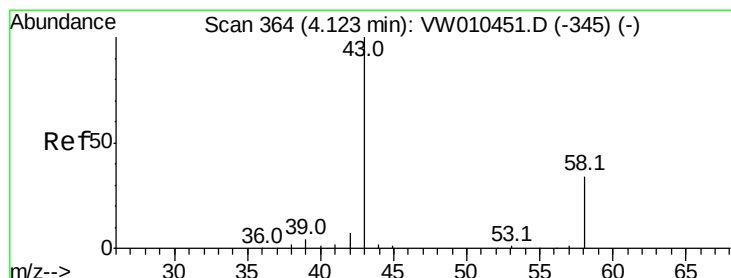
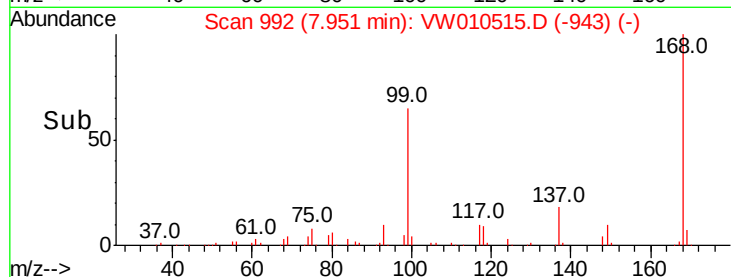
10000

0

Time-->

7.90

8.00



#16

Acetone

Concen: 32.595 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010515.D

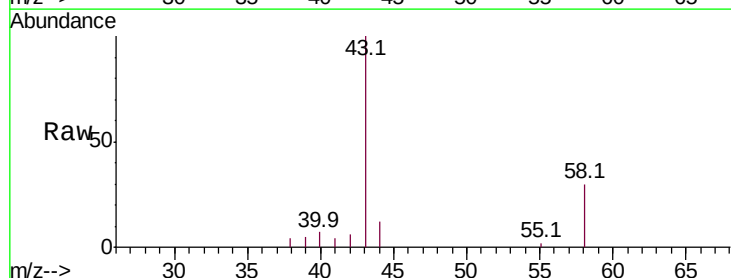
Acq: 22 May 2019 17:25

Tgt Ion: 43 Resp: 7909

Ion Ratio Lower Upper

43 100

58 30.0 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

3000

2000

1000

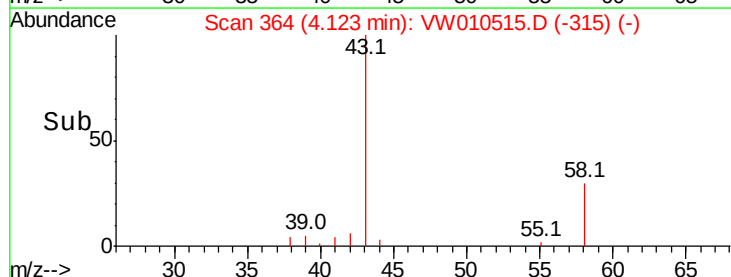
0

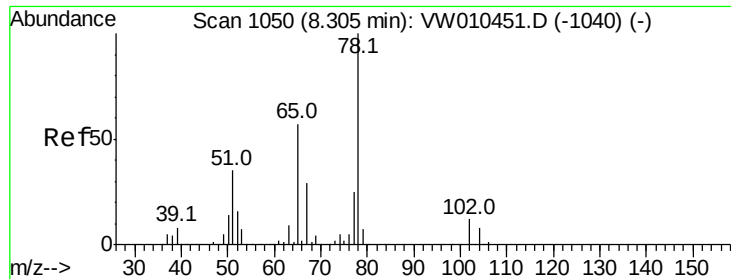
Time-->

4.00

4.10

4.20

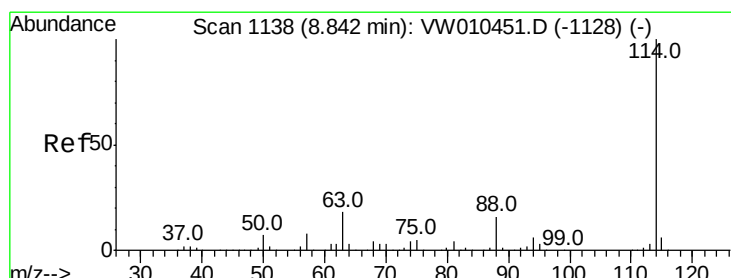
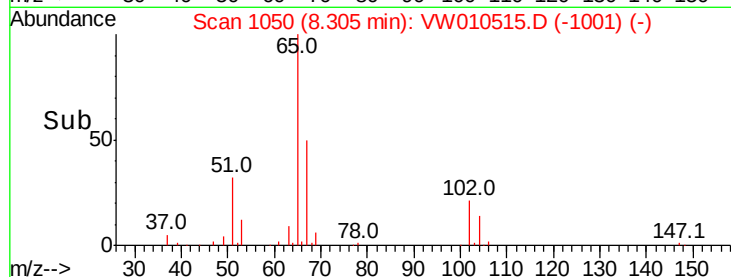
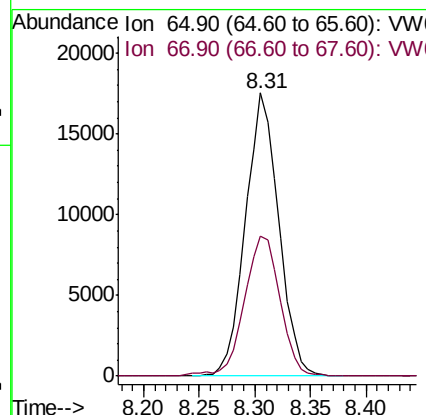
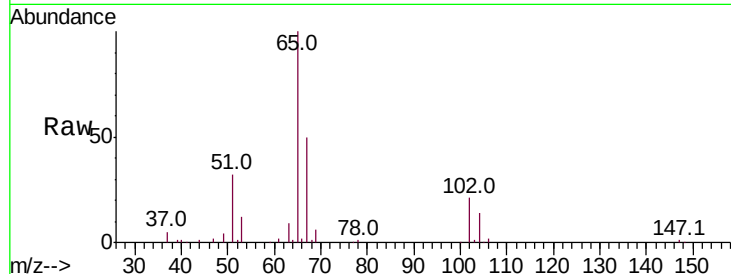




#33  
 1,2-Dichloroethane-d4  
 Concen: 30.590 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW010515.D  
 Acq: 22 May 2019 17:25

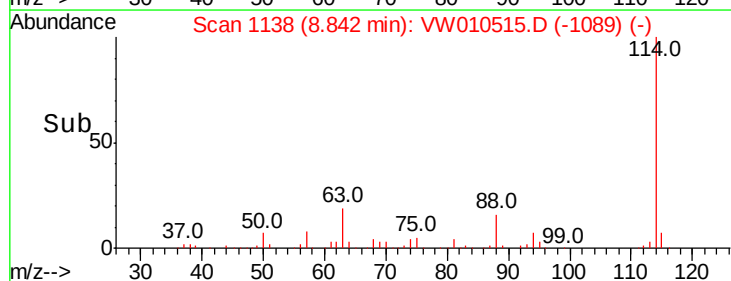
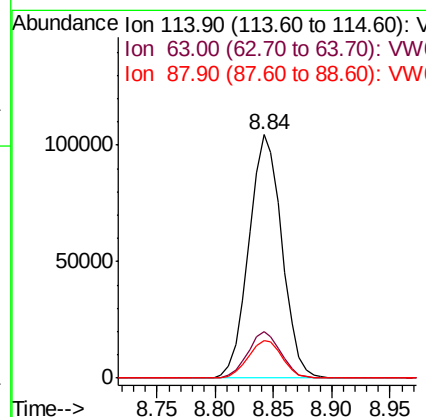
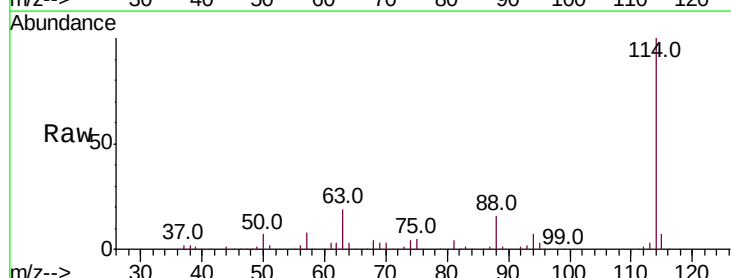
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 22-C6-20190413

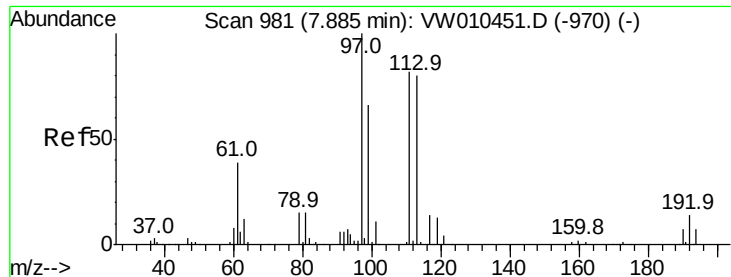
Tot Ion: 65 Resp: 36363  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010515.D  
 Acq: 22 May 2019 17:25

Tgt Ion: 114 Resp: 207204  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 36.0  
 88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 29.484 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010515.D

Acq: 22 May 2019 17:25

Instrument :

MSVOA\_W

ClientSampleId :

22-C6-20190413

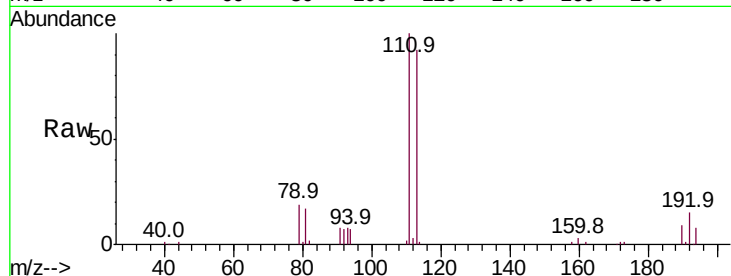
Tot Ion:113 Resp: 37069

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

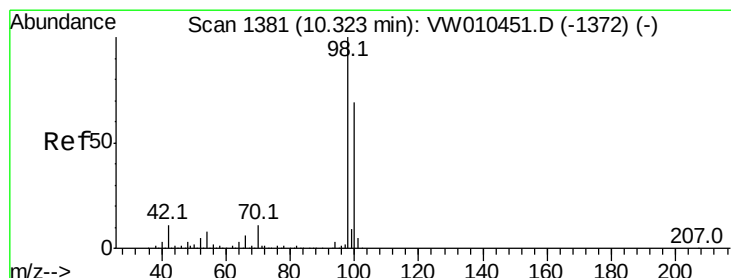
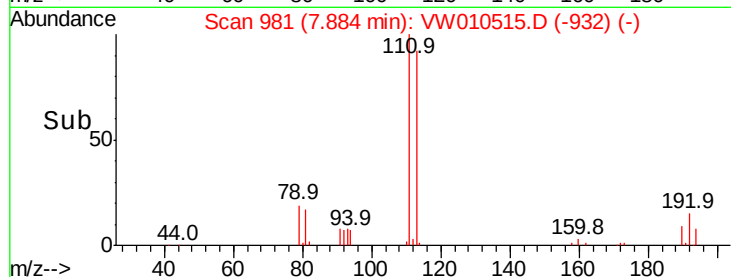
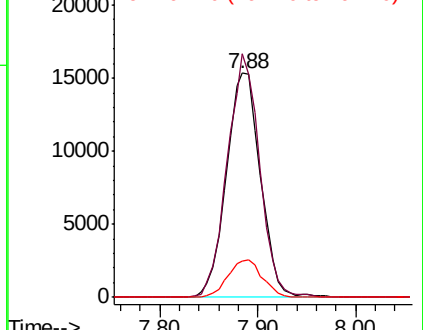
192 16.6 14.3 21.5



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: 26.302 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010515.D

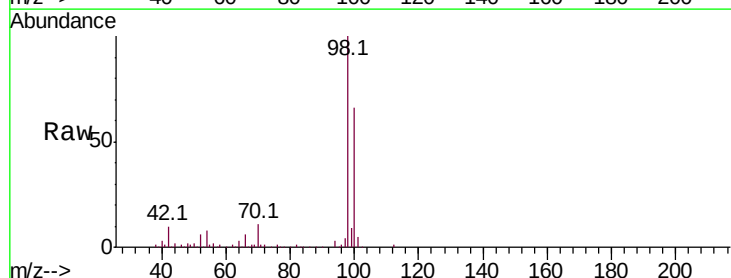
Acq: 22 May 2019 17:25

Tgt Ion: 98 Resp: 126330

Ion Ratio Lower Upper

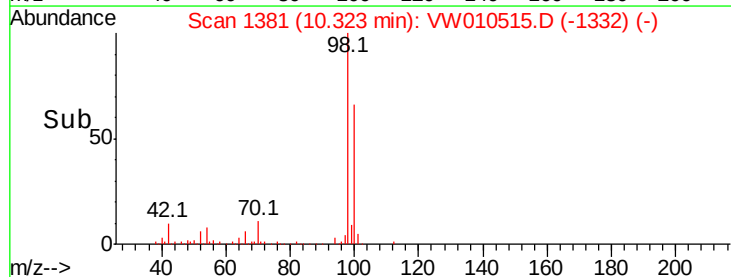
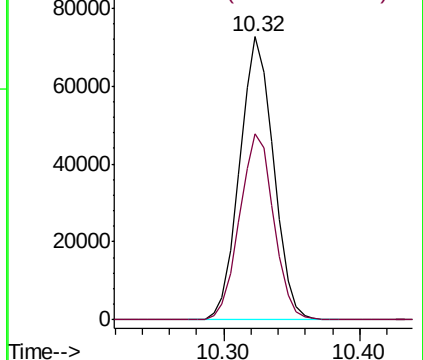
98 100

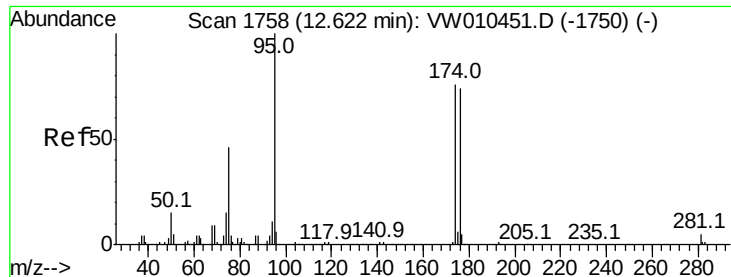
100 66.2 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

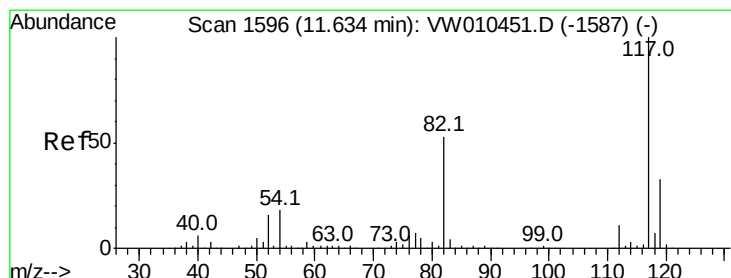
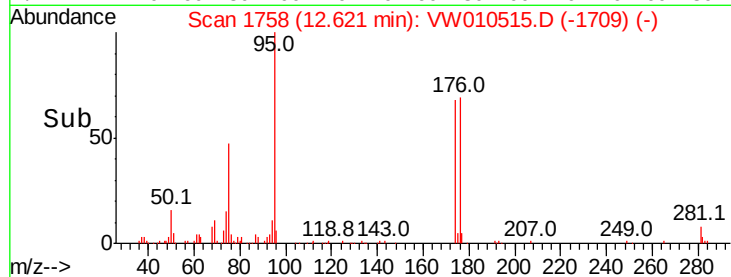
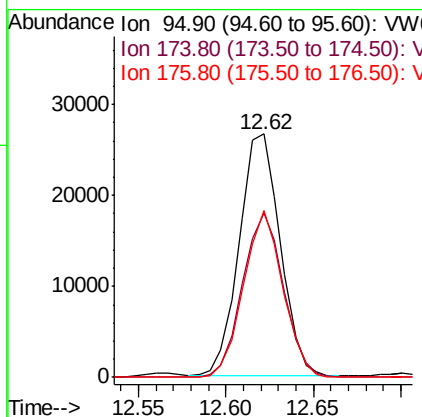
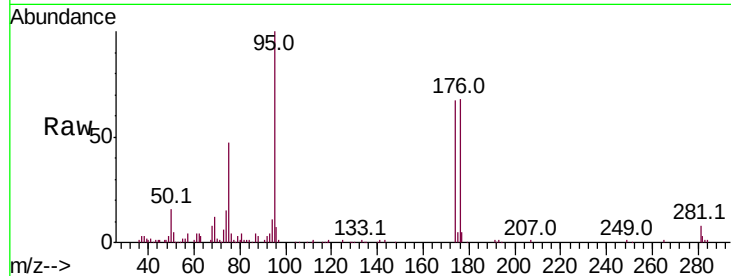




#62  
4-Bromofluorobenzene  
Concen: 22.705 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW010515.D  
Acq: 22 May 2019 17:25

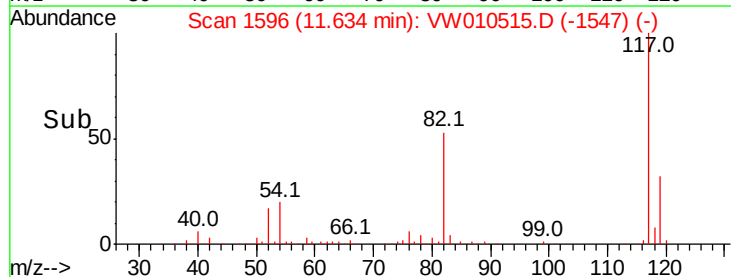
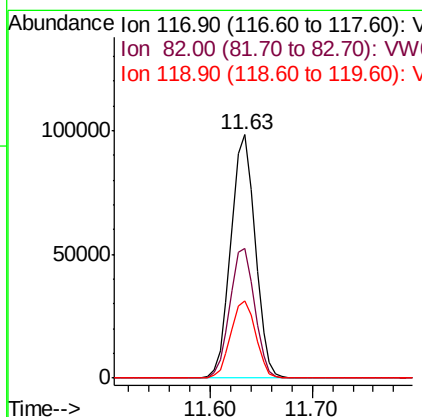
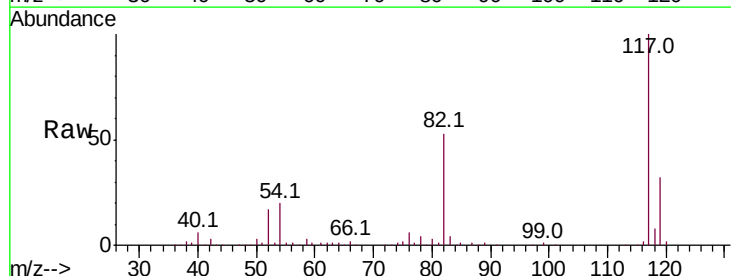
Instrument :  
MSVOA\_W  
ClientSampleId :  
22-C6-20190413

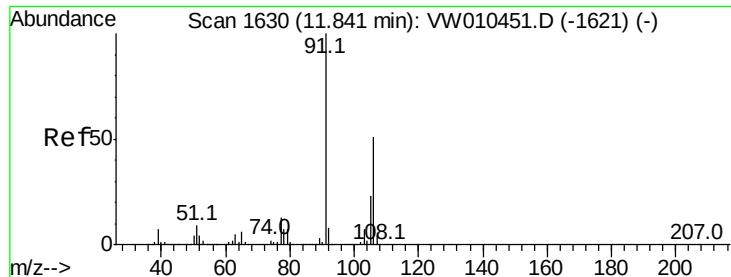
| Tot Ion | 95    | Resp  | 43437 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 95      | 100   |       |       |
| 174     | 67.9  | 0.0   | 148.6 |
| 176     | 65.9  | 0.0   | 144.2 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010515.D  
Acq: 22 May 2019 17:25

| Tgt Ion | 117   | Resp  | 162090 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 117     | 100   |       |        |
| 82      | 53.2  | 42.8  | 64.2   |
| 119     | 32.0  | 26.3  | 39.5   |





#68

m/p-Xylenes

Concen: 1.381 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW010515.D

Acq: 22 May 2019 17:25

Instrument :

MSVOA\_W

ClientSampleId :

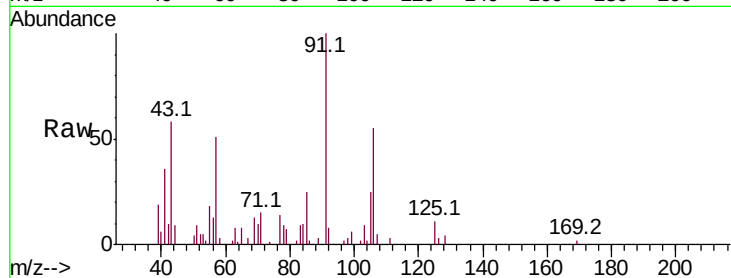
22-C6-20190413

Tot Ion:106 Resp: 3304

Ion Ratio Lower Upper

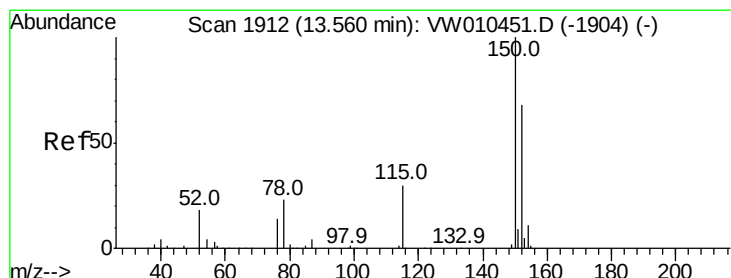
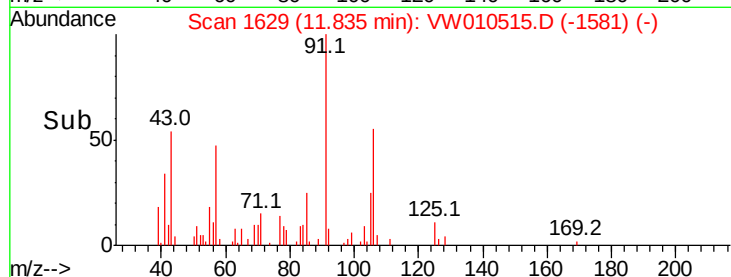
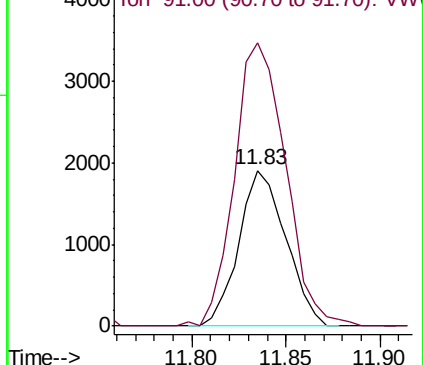
106 100

91 197.3 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010515.D

Acq: 22 May 2019 17:25

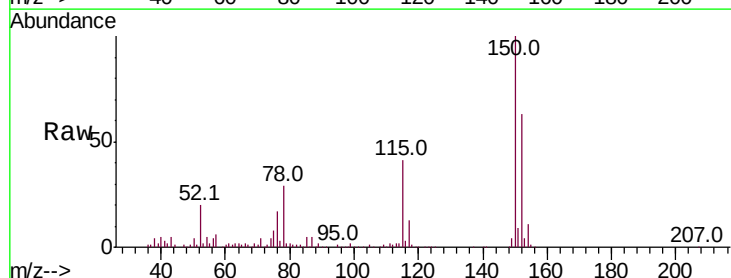
Tgt Ion:152 Resp: 53274

Ion Ratio Lower Upper

152 100

115 66.7 30.3 91.0

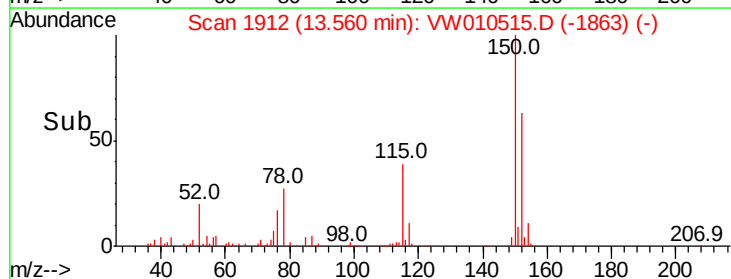
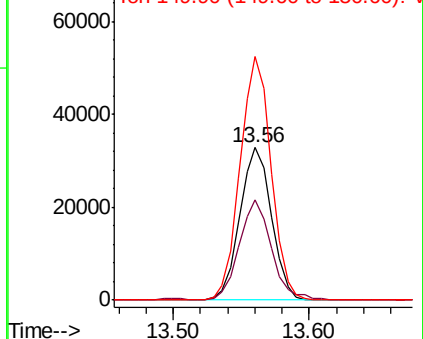
150 155.9 0.0 349.8

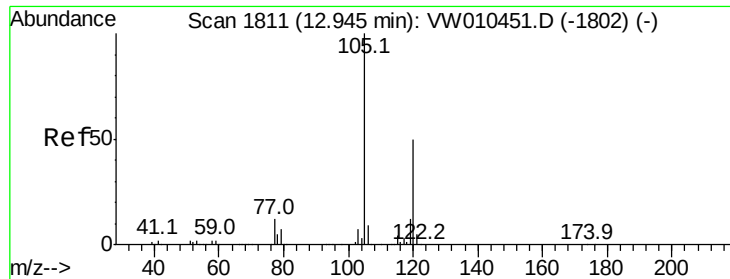


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

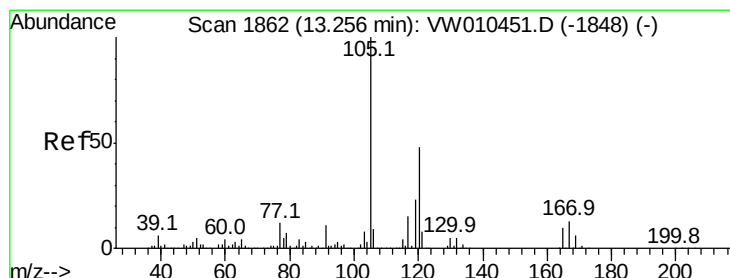
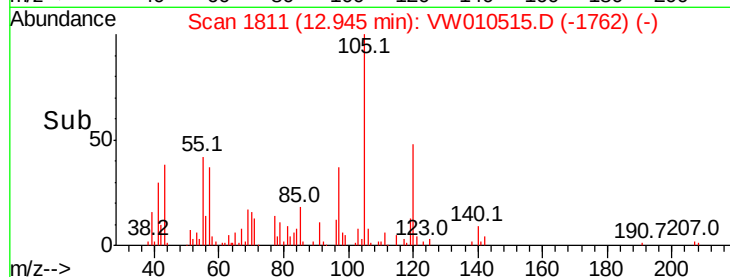
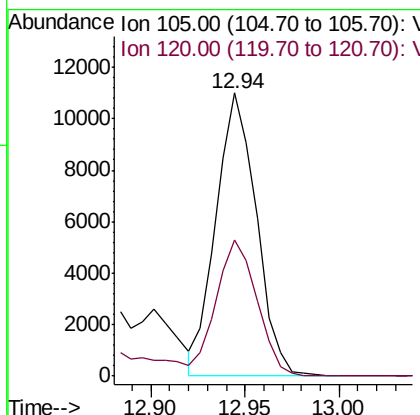
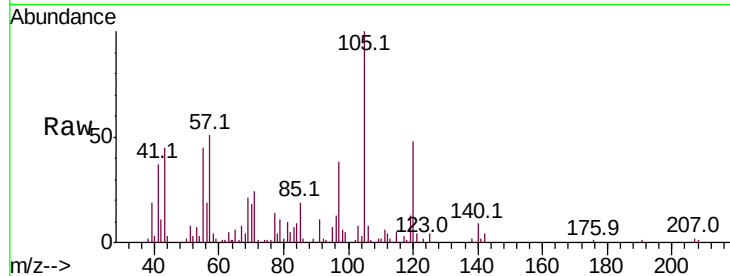




#80  
 1,3,5-Trimethylbenzene  
 Concen: 4.579 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. -0.00 min  
 Lab File: VW010515.D  
 Acq: 22 May 2019 17:25

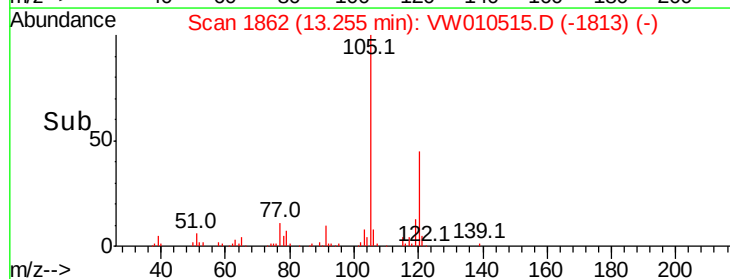
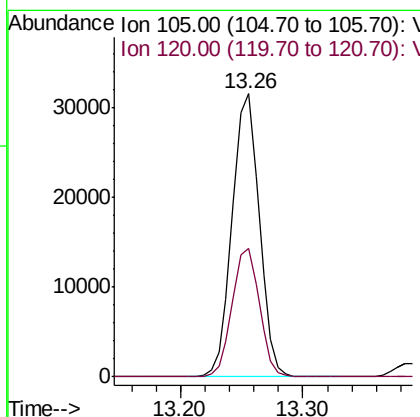
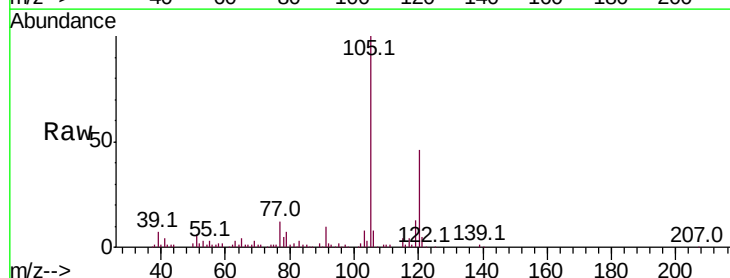
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 22-C6-20190413

Tot Ion:105 Resp: 16395  
 Ion Ratio Lower Upper  
 105 100  
 120 48.6 25.2 75.6

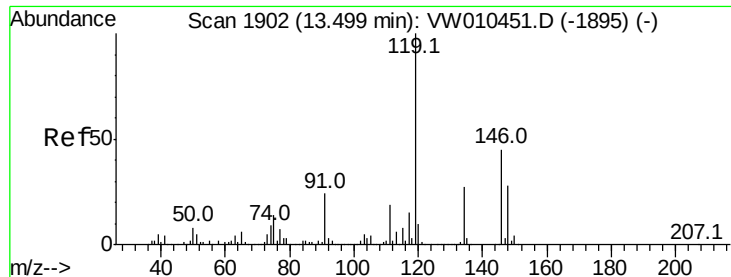


#84  
 1,2,4-Trimethylbenzene  
 Concen: 13.551 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. -0.00 min  
 Lab File: VW010515.D  
 Acq: 22 May 2019 17:25

Tgt Ion:105 Resp: 48324  
 Ion Ratio Lower Upper  
 105 100  
 120 45.5 23.4 70.2



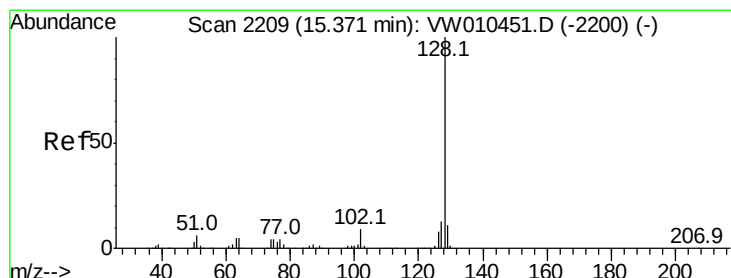
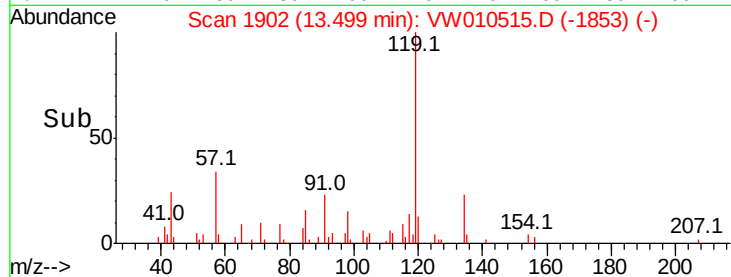
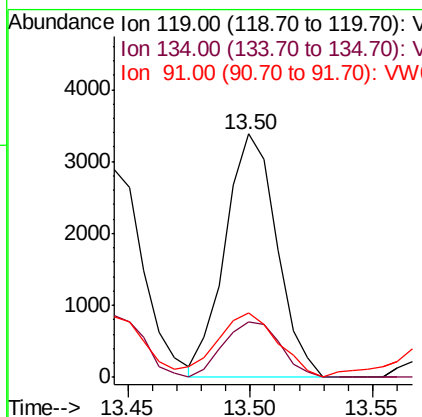
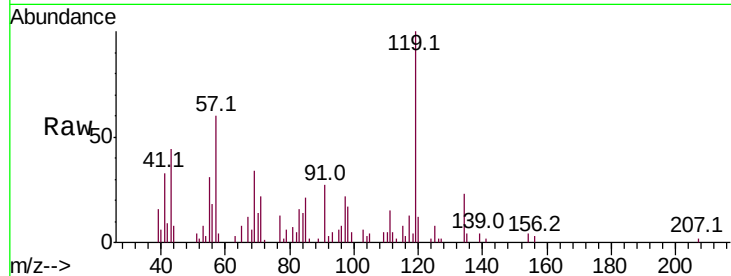




#86  
 p-Isopropyltoluene  
 Concen: 1.257 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW010515.D  
 Acq: 22 May 2019 17:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 22-C6-20190413

Tot Ion:119 Resp: 4979  
 Ion Ratio Lower Upper  
 119 100  
 134 25.1 13.6 40.7  
 91 31.4 11.9 35.7



#95  
 Naphthalene  
 Concen: 4.956 ug/l  
 RT: 15.37 min Scan# 2209  
 Delta R.T. -0.00 min  
 Lab File: VW010515.D  
 Acq: 22 May 2019 17:25

Tgt Ion:128 Resp: 11970  
 Ion Ratio Lower Upper  
 128 100  
 127 14.5 10.6 15.8  
 129 12.0 8.9 13.3

