

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\  
 Data File : VW010573.D  
 Acq On : 28 May 2019 17:56  
 Operator : SY/VA  
 Sample : K3065-05  
 Misc : 5.06G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-14-1.5-2.0

Quant Time: May 29 07:47:48 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  | 60729    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 101907   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 89161    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 40337    | 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   | 31779    | 50.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.40% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 28616    | 46.28 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.56%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 123222   | 52.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.32% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 45958    | 48.84 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.68%  |          |

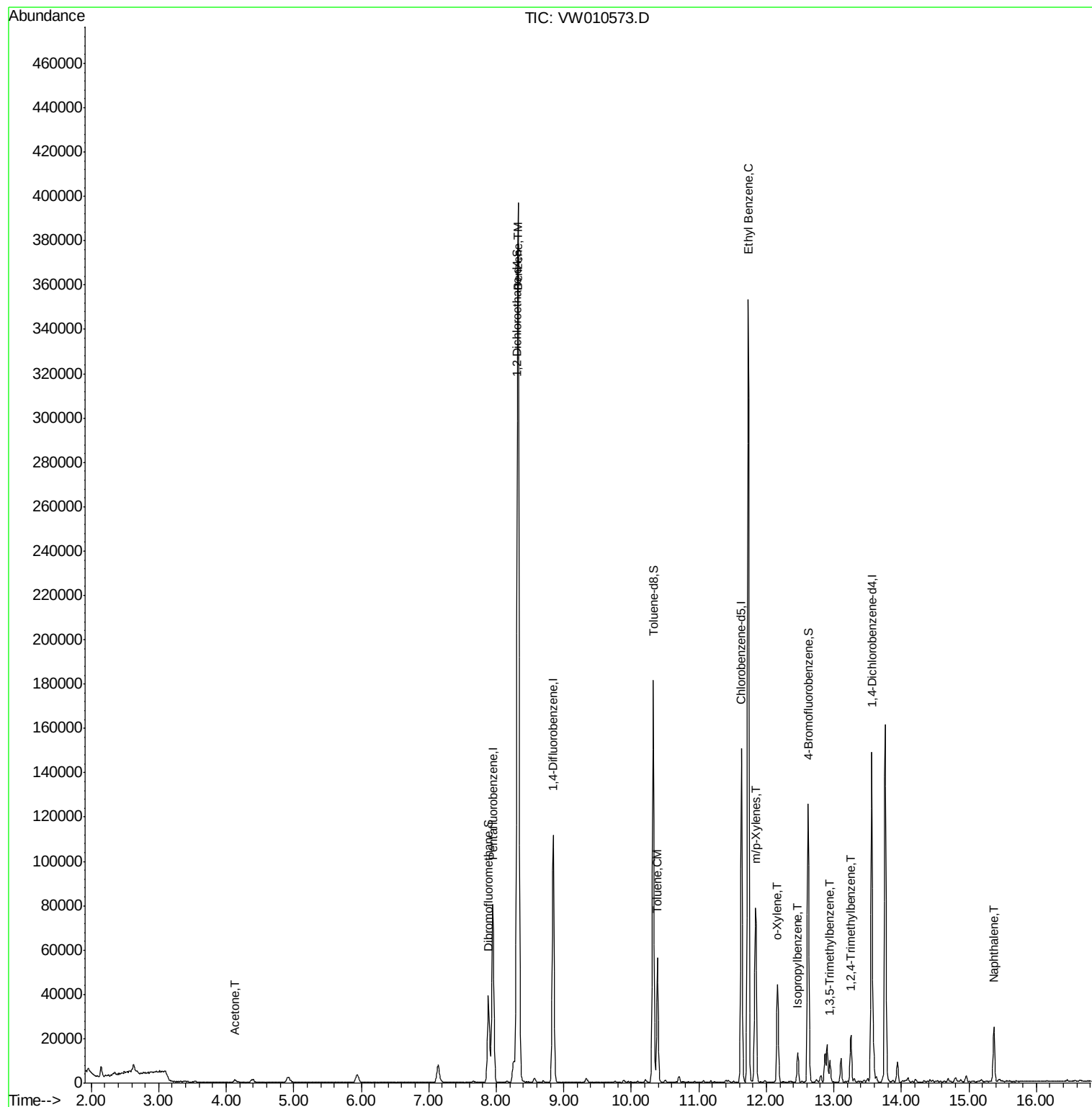
| Target Compounds           | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|----------------------------|-------|------|----------|---------|-------|--------|
| 16) Acetone                | 4.13  | 43   | 2196     | 17.163  | ug/l  | 93     |
| 40) Benzene                | 8.32  | 78   | 401819   | 152.287 | ug/l  | 100    |
| 52) Toluene                | 10.39 | 92   | 24848    | 14.023  | ug/l  | 99     |
| 67) Ethyl Benzene          | 11.73 | 91   | 255239   | 76.079  | ug/l  | 99     |
| 68) m/p-Xylenes            | 11.84 | 106  | 27090    | 20.587  | ug/l  | 99     |
| 69) o-Xylene               | 12.17 | 106  | 12684    | 10.174  | ug/l  | 98     |
| 73) Isopropylbenzene       | 12.46 | 105  | 8211     | 2.565   | ug/l  | 98     |
| 80) 1,3,5-Trimethylbenzene | 12.94 | 105  | 4844     | 1.787   | ug/l  | 97     |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105  | 11993    | 4.442   | ug/l  | 99     |
| 95) Naphthalene            | 15.37 | 128  | 22538    | 12.324  | ug/l  | 98     |

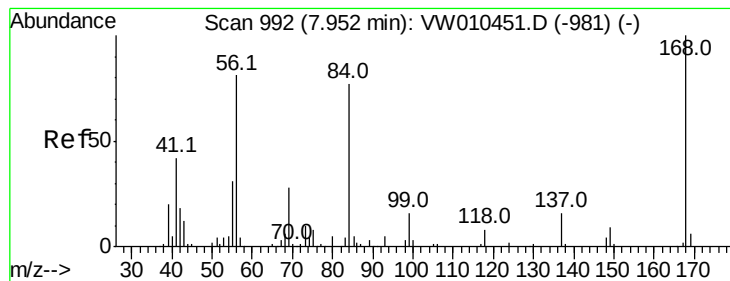
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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B-14-1.5-2.0

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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: VW010573.D

Acq: 28 May 2019 17:56

Instrument :

MSVOA\_W

ClientSampleId :

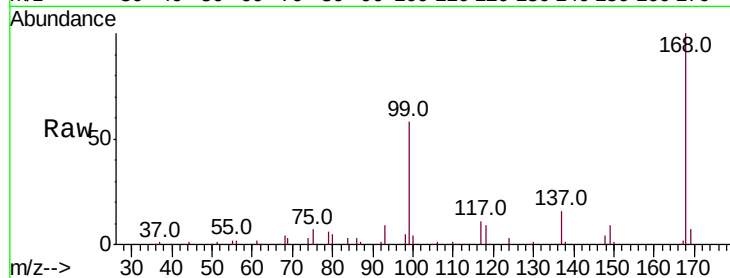
B-14-1.5-2.0

Tot Ion:168 Resp: 60729

Ion Ratio Lower Upper

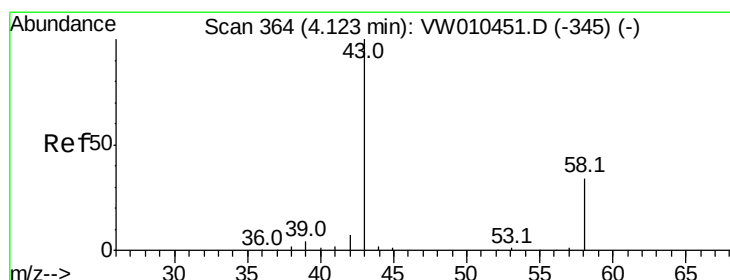
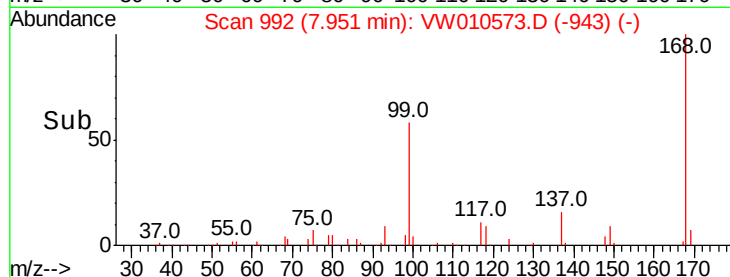
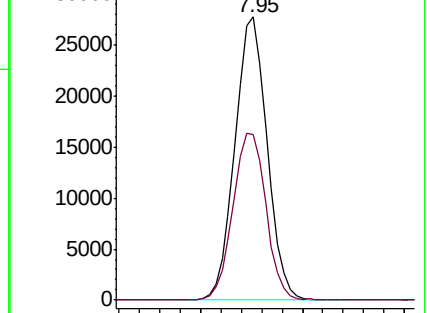
168 100

99 58.3 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: 17.163 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010573.D

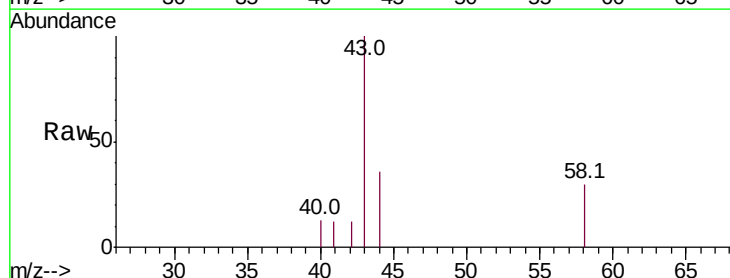
Acq: 28 May 2019 17:56

Tgt Ion: 43 Resp: 2196

Ion Ratio Lower Upper

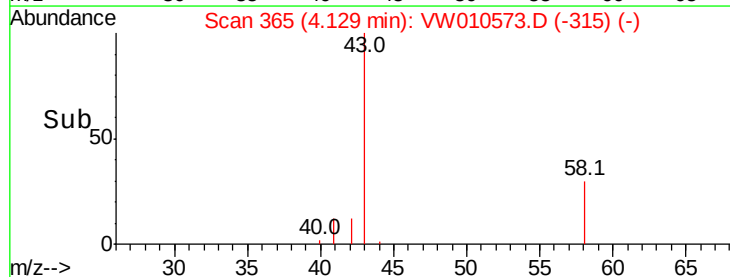
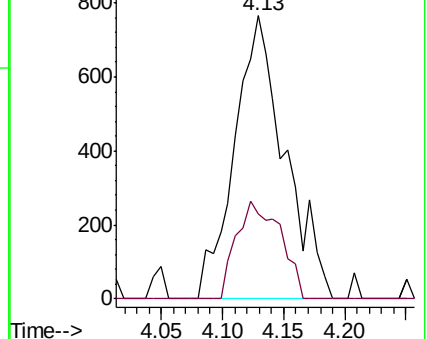
43 100

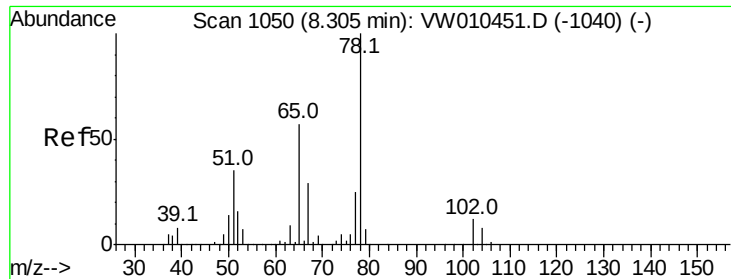
58 29.9 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

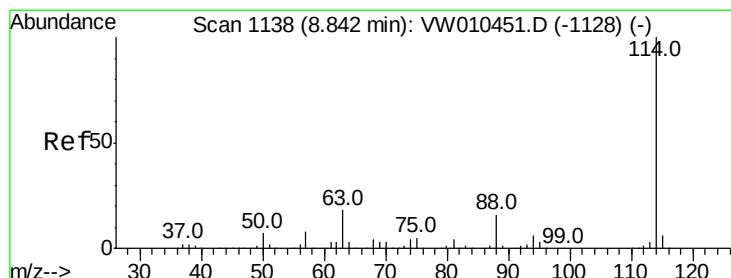
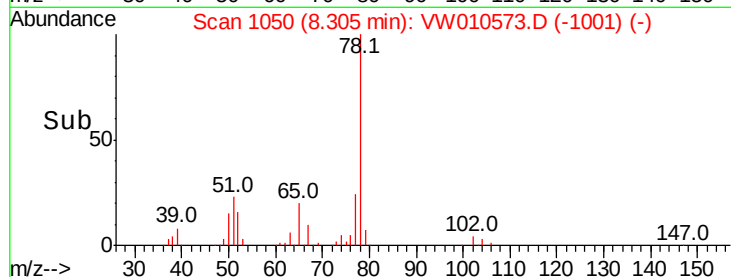
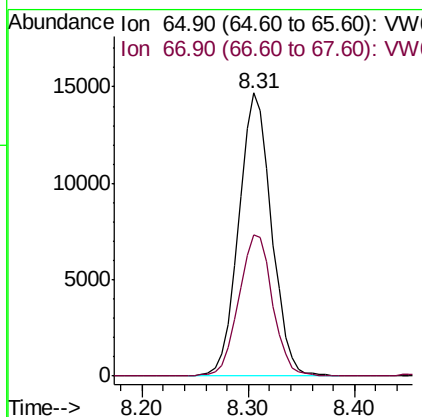
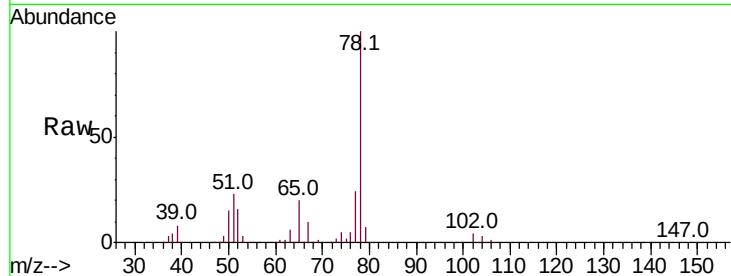




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.698 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW010573.D  
 Acq: 28 May 2019 17:56

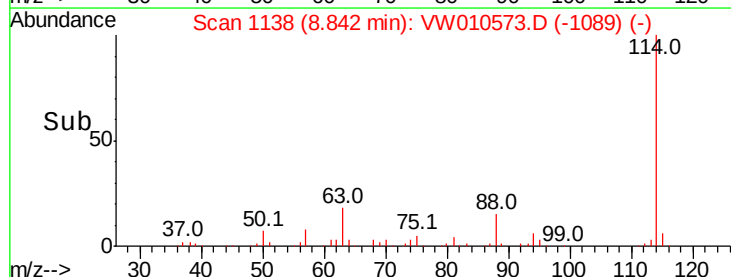
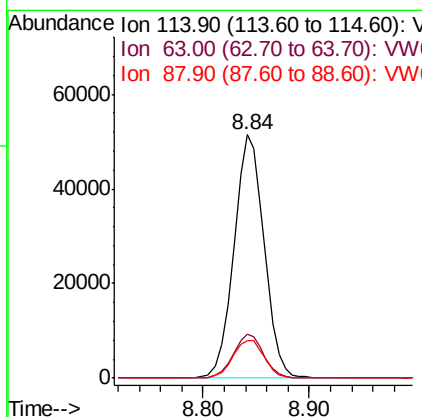
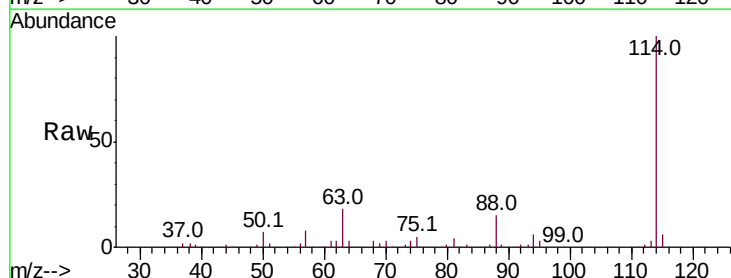
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-14-1.5-2.0

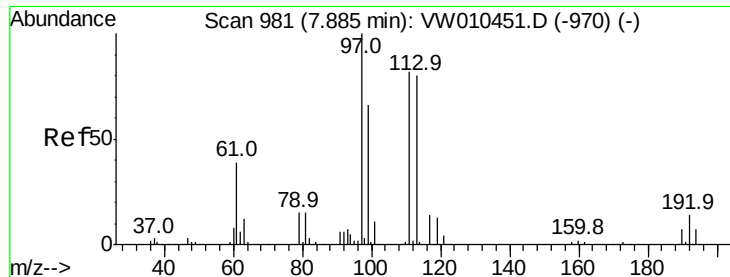
Tot Ion: 65 Resp: 31779  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010573.D  
 Acq: 28 May 2019 17:56

Tgt Ion: 114 Resp: 101907  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 36.0  
 88 15.4 0.0 32.0

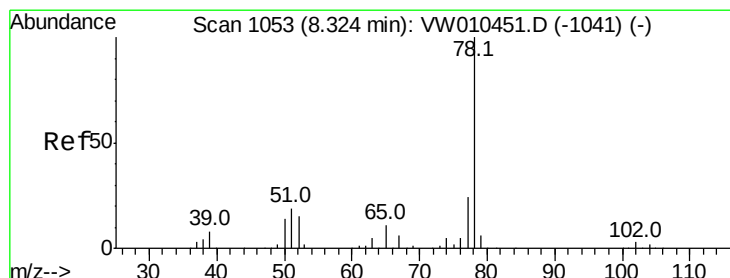
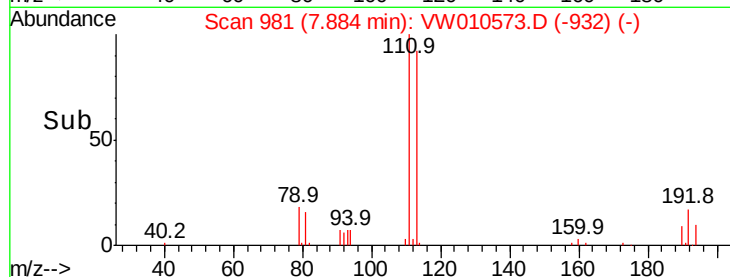
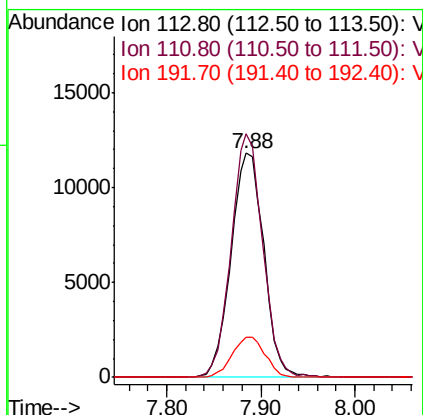
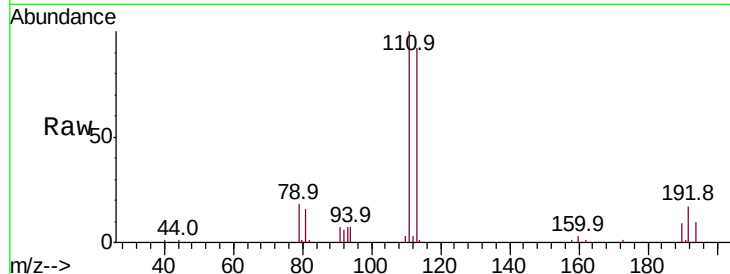




#35  
 Dibromofluoromethane  
 Concen: 46.278 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW010573.D  
 Acq: 28 May 2019 17:56

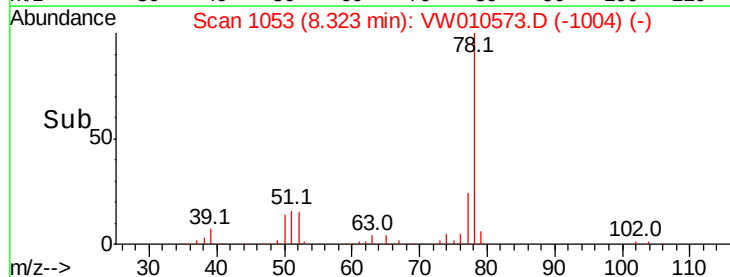
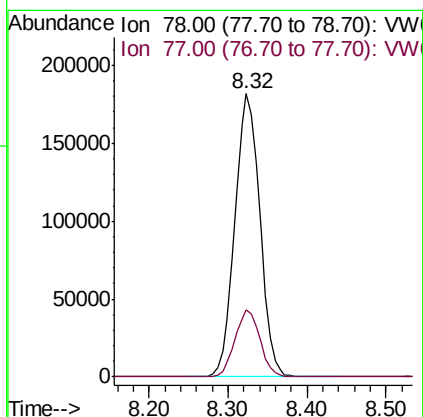
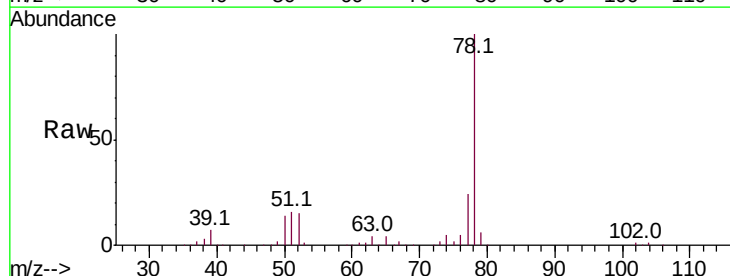
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-14-1.5-2.0

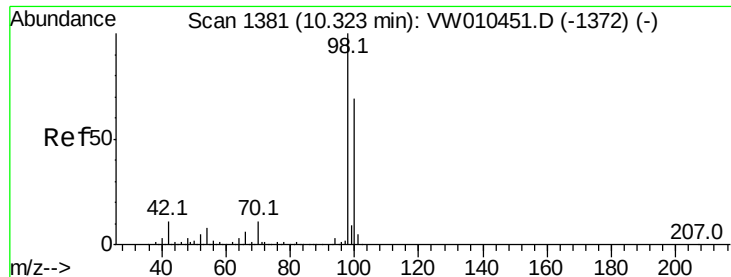
Tot Ion:113 Resp: 28616  
 Ion Ratio Lower Upper  
 113 100  
 111 104.1 82.2 123.4  
 192 17.9 14.3 21.5



#40  
 Benzene  
 Concen: 152.287 ug/l  
 RT: 8.32 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VW010573.D  
 Acq: 28 May 2019 17:56

Tgt Ion: 78 Resp: 401819  
 Ion Ratio Lower Upper  
 78 100  
 77 23.5 18.9 28.3





#50

Toluene-d8

Concen: 52.163 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010573.D

Acq: 28 May 2019 17:56

Instrument :

MSVOA\_W

ClientSampleId :

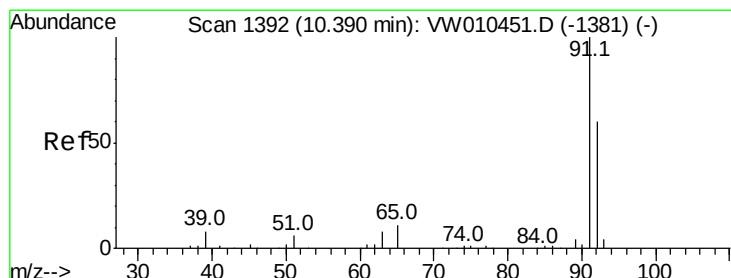
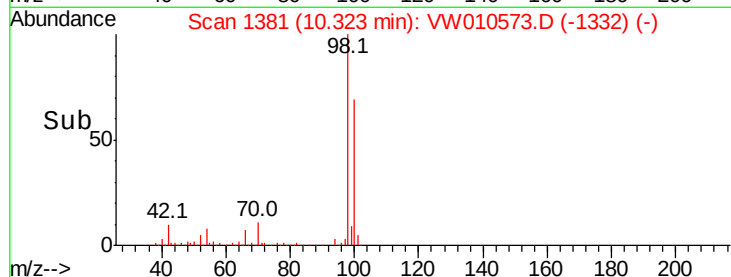
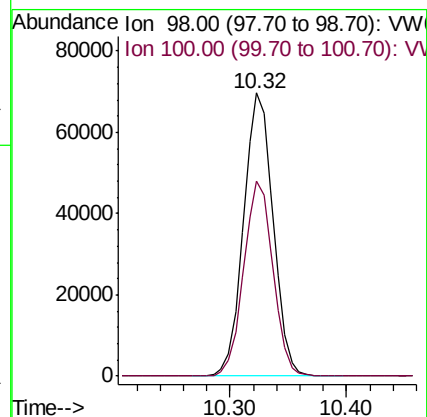
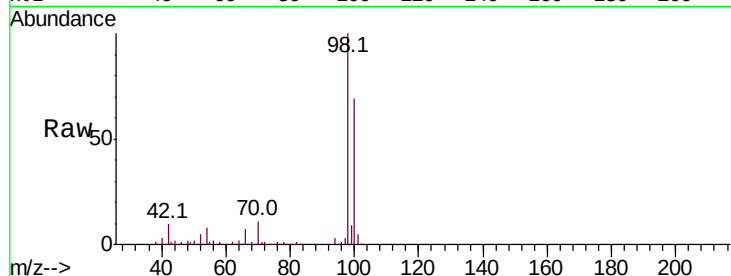
B-14-1.5-2.0

Tot Ion: 98 Resp: 123222

Ion Ratio Lower Upper

98 100

100 68.3 53.7 80.5



#52

Toluene

Concen: 14.023 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010573.D

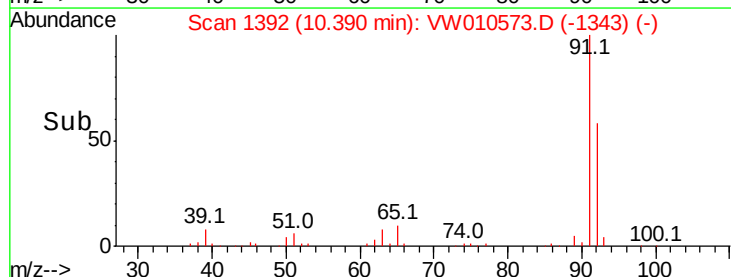
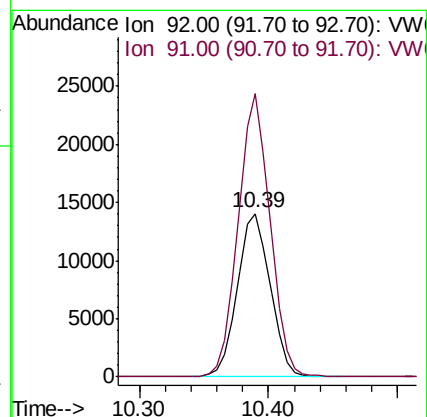
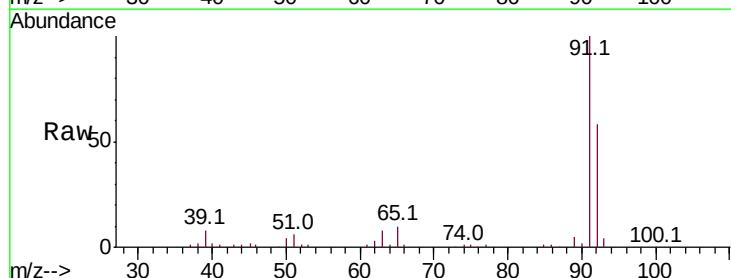
Acq: 28 May 2019 17:56

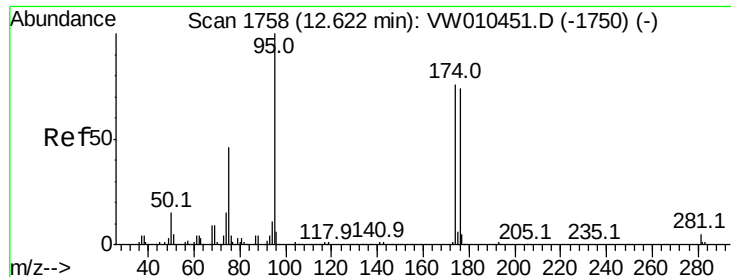
Tgt Ion: 92 Resp: 24848

Ion Ratio Lower Upper

92 100

91 167.8 135.4 203.0

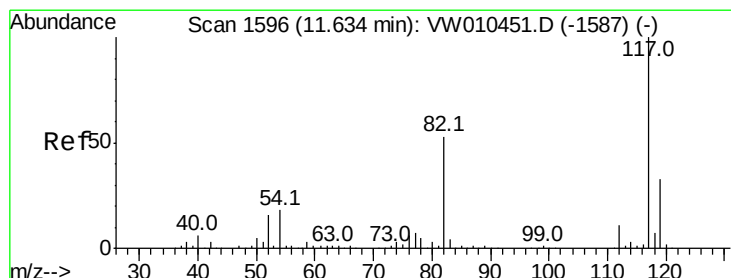
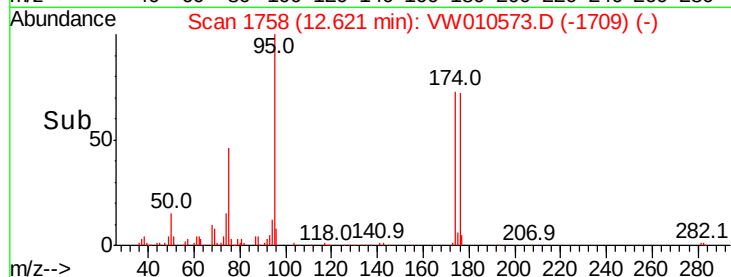
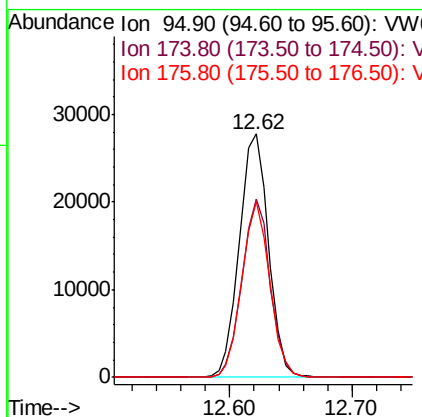
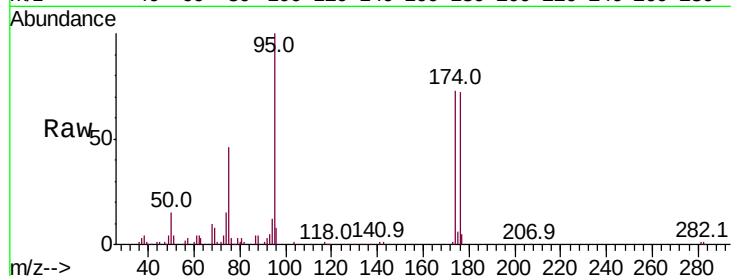




#62  
4-Bromofluorobenzene  
Concen: 48.844 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW010573.D  
Acq: 28 May 2019 17:56

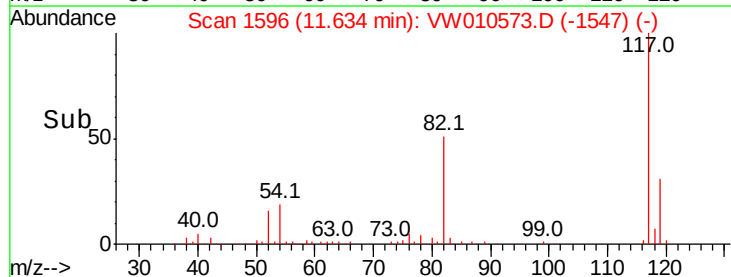
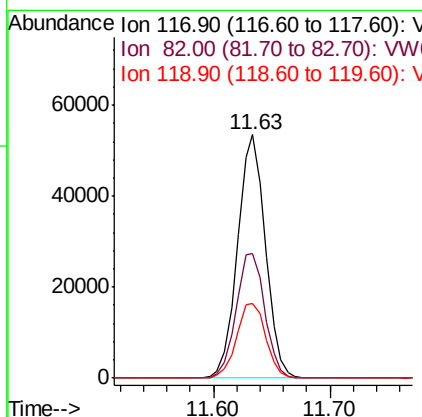
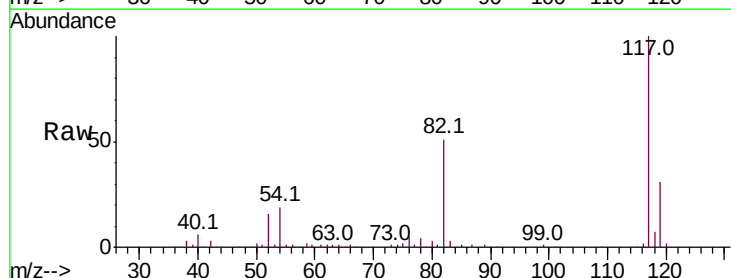
Instrument :  
MSVOA\_W  
ClientSampleId :  
B-14-1.5-2.0

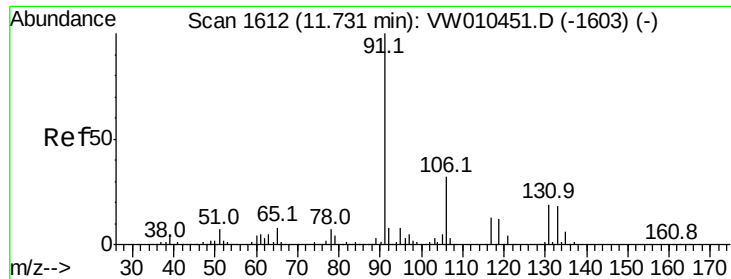
| Tot Ion   | 95    | Resp  | 45958 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 70.6  | 0.0   | 148.6 |
| 176       | 69.2  | 0.0   | 144.2 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010573.D  
Acq: 28 May 2019 17:56

| Tgt Ion   | 117   | Resp  | 89161 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 51.3  | 42.8  | 64.2  |
| 119       | 30.6  | 26.3  | 39.5  |

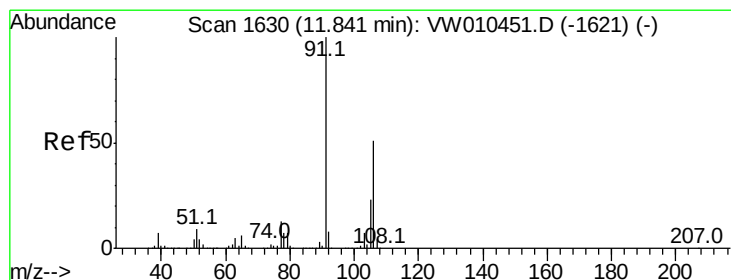
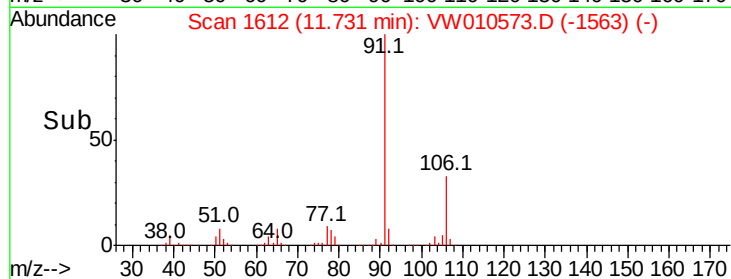
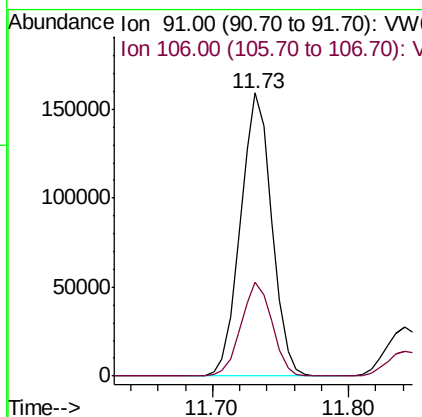
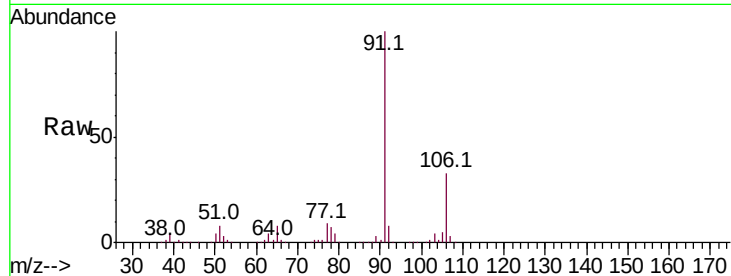




#67  
Ethyl Benzene  
Concen: 76.079 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW010573.D  
Acq: 28 May 2019 17:56

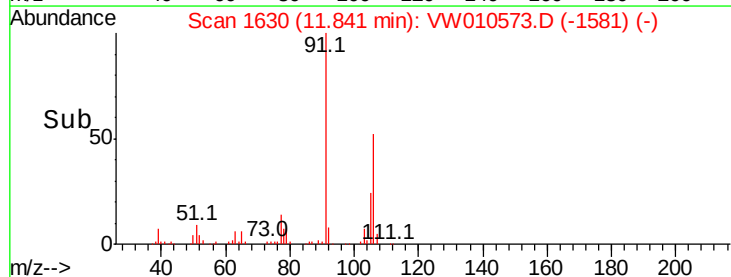
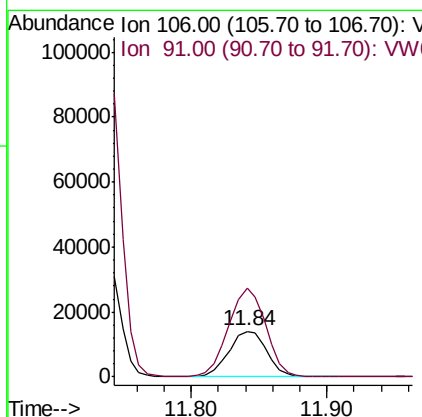
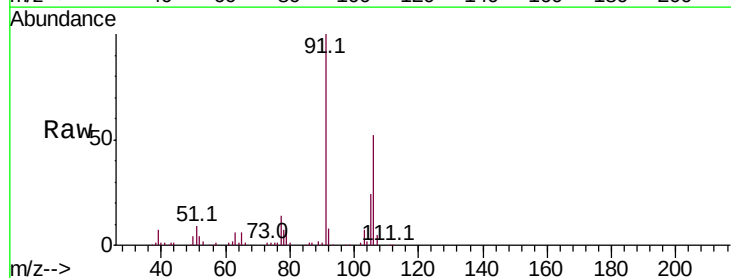
Instrument :  
MSVOA\_W  
ClientSampled :  
B-14-1.5-2.0

Tot Ion: 91 Resp: 255239  
Ion Ratio Lower Upper  
91 100  
106 33.2 25.9 38.9

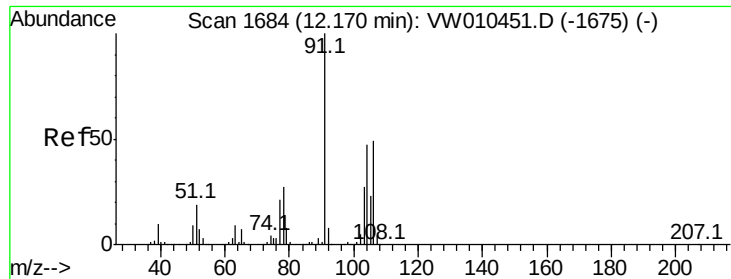


#68  
m/p-Xylenes  
Concen: 20.587 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW010573.D  
Acq: 28 May 2019 17:56

Tgt Ion:106 Resp: 27090  
Ion Ratio Lower Upper  
106 100  
91 193.5 156.0 234.0



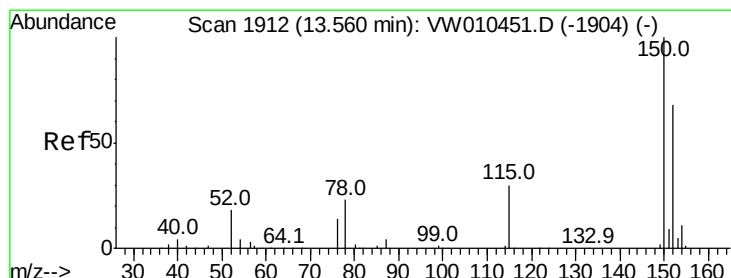
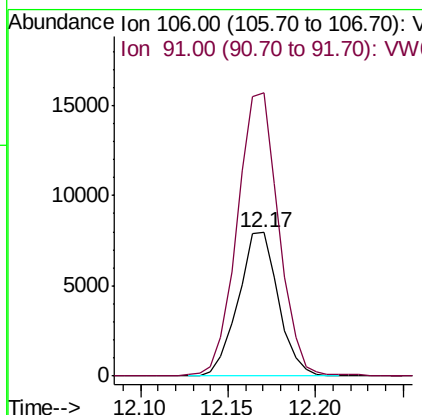
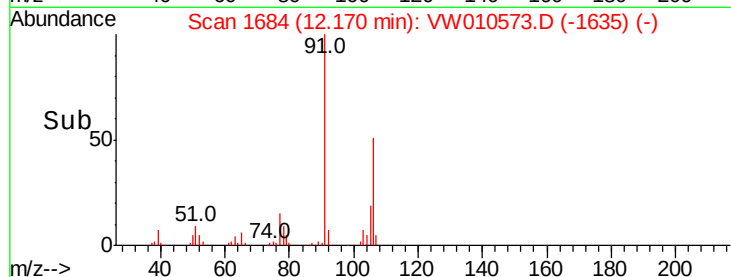
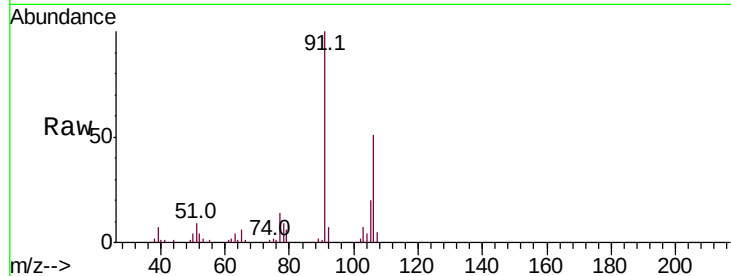




#69  
o-Xylene  
Concen: 10.174 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VW010573.D  
Acq: 28 May 2019 17:56

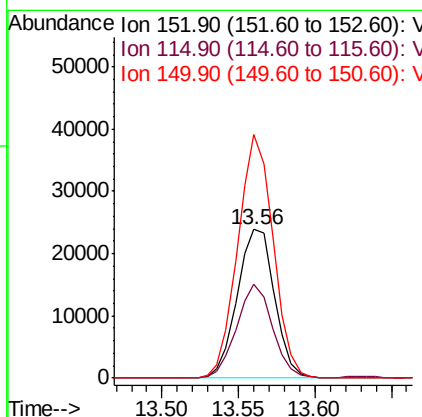
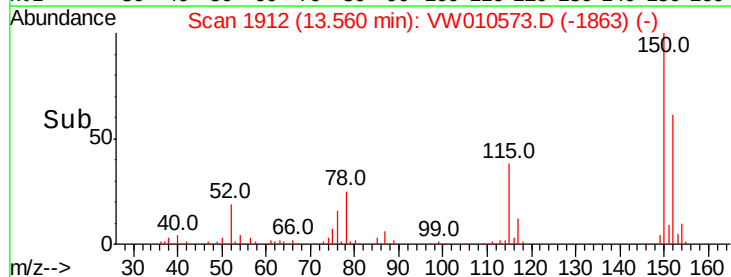
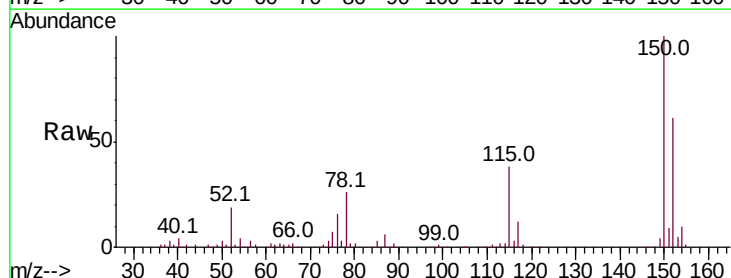
Instrument :  
MSVOA\_W  
ClientSampleId :  
B-14-1.5-2.0

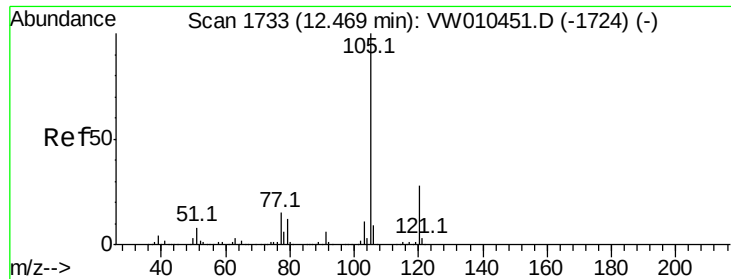
Tot Ion:106 Resp: 12684  
Ion Ratio Lower Upper  
106 100  
91 203.5 103.2 309.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW010573.D  
Acq: 28 May 2019 17:56

Tgt Ion:152 Resp: 40337  
Ion Ratio Lower Upper  
152 100  
115 60.7 30.3 91.0  
150 155.7 0.0 349.8





#73

Isopropylbenzene

Concen: 2.565 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010573.D

Acq: 28 May 2019 17:56

Instrument :

MSVOA\_W

ClientSampled :

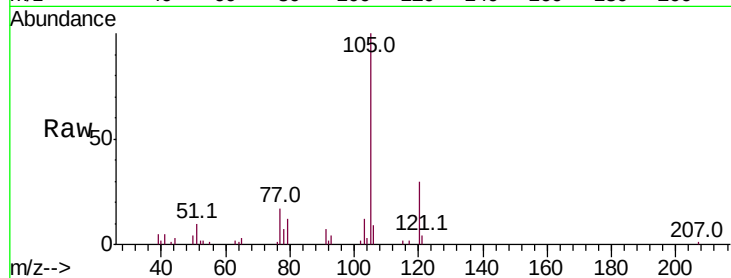
B-14-1.5-2.0

Tot Ion:105 Resp: 8211

Ion Ratio Lower Upper

105 100

120 29.1 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

6000

5000

4000

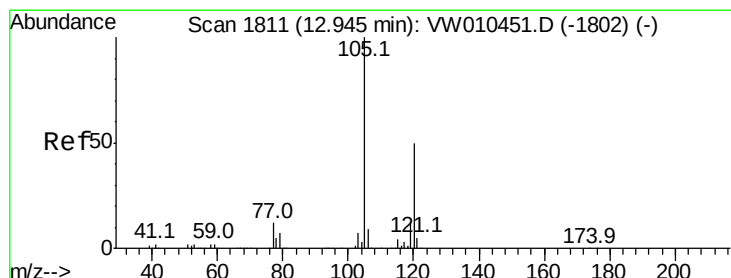
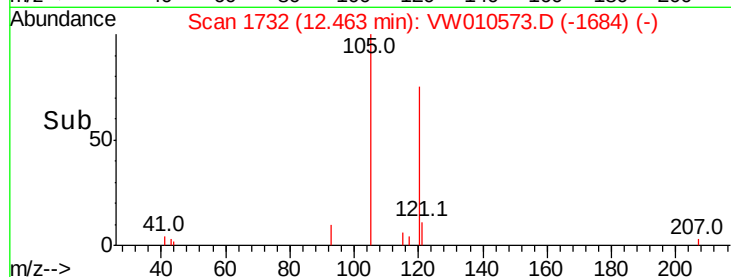
3000

2000

1000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.787 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010573.D

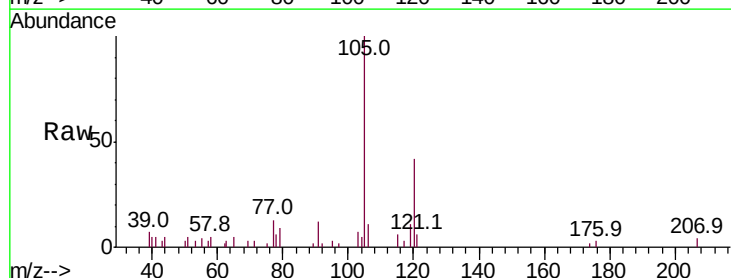
Acq: 28 May 2019 17:56

Tgt Ion:105 Resp: 4844

Ion Ratio Lower Upper

105 100

120 48.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

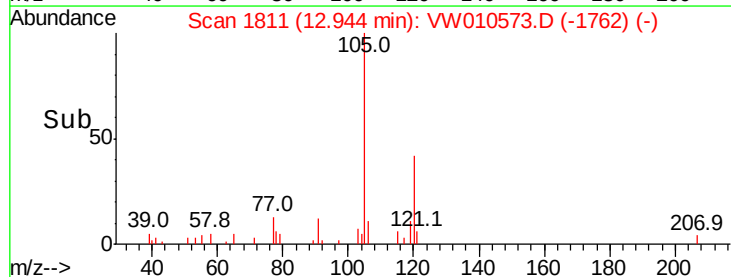
6000

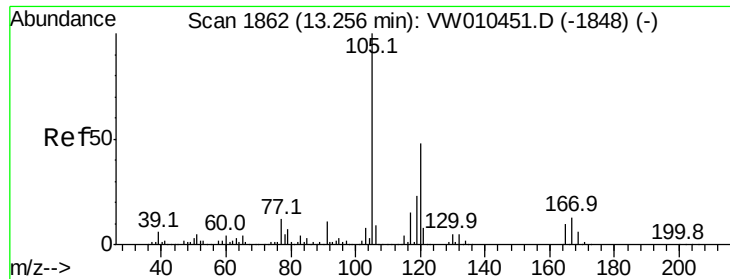
4000

2000

0

Time-->

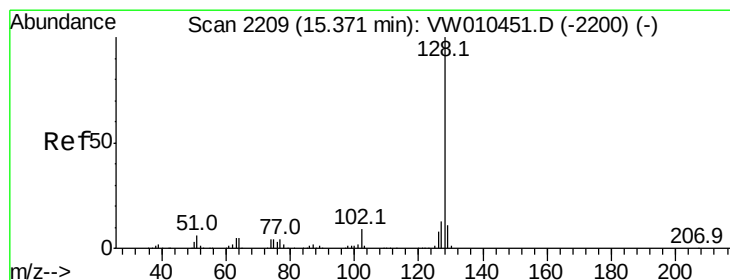
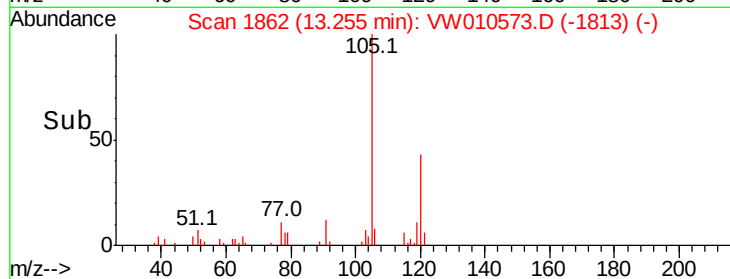
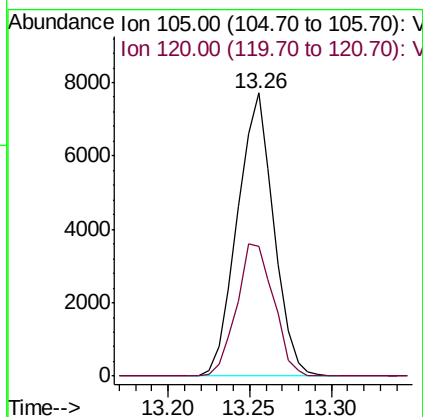
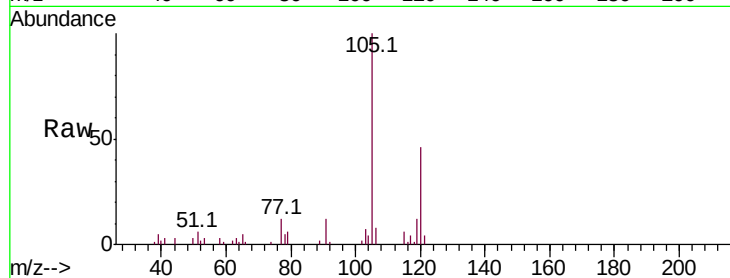




#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.442 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. -0.00 min  
 Lab File: VW010573.D  
 Acq: 28 May 2019 17:56

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-14-1.5-2.0

Tot Ion:105 Resp: 11993  
 Ion Ratio Lower Upper  
 105 100  
 120 47.4 23.4 70.2



#95  
 Naphthalene  
 Concen: 12.324 ug/l  
 RT: 15.37 min Scan# 2209  
 Delta R.T. -0.00 min  
 Lab File: VW010573.D  
 Acq: 28 May 2019 17:56

Tgt Ion:128 Resp: 22538  
 Ion Ratio Lower Upper  
 128 100  
 127 12.8 10.6 15.8  
 129 12.0 8.9 13.3

