

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\  
 Data File : VW010575.D  
 Acq On : 28 May 2019 18:51  
 Operator : SY/VA  
 Sample : K3065-11  
 Misc : 5.05G/5ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-12-1.0-1.5

Quant Time: May 29 07:57:27 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

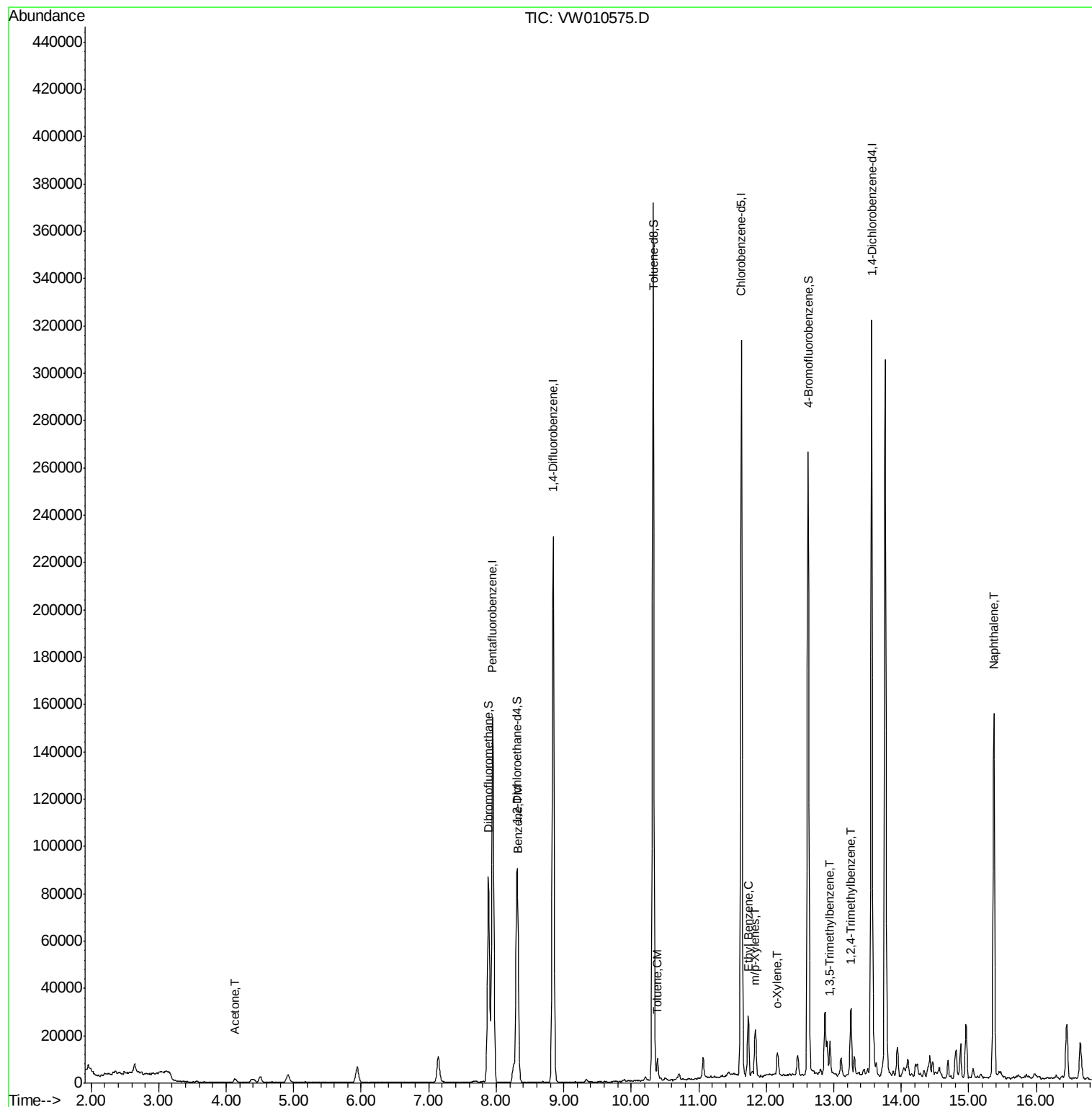
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 117604   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 205718   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 185660   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 85889    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 62876    | 51.80  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.60% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 62992    | 50.46  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.92% |          |
| 50) Toluene-d8              | 10.32 | 98   | 252997   | 53.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.10% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 96664    | 50.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.78% |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 16) Acetone                 | 4.13  | 43   | 2822     | 11.389 | ug/l    | 99       |
| 40) Benzene                 | 8.32  | 78   | 22628    | 4.248  | ug/l    | 98       |
| 52) Toluene                 | 10.39 | 92   | 3722     | 1.041  | ug/l    | 90       |
| 67) Ethyl Benzene           | 11.73 | 91   | 18486    | 2.646  | ug/l    | 97       |
| 68) m/p-Xylenes             | 11.84 | 106  | 6552     | 2.391  | ug/l    | 94       |
| 69) o-Xylene                | 12.16 | 106  | 2803     | 1.080  | ug/l    | 87       |
| 80) 1,3,5-Trimethylbenzene  | 12.94 | 105  | 6654     | 1.153  | ug/l    | 95       |
| 84) 1,2,4-Trimethylbenzene  | 13.26 | 105  | 16608    | 2.889  | ug/l    | 96       |
| 95) Naphthalene             | 15.37 | 128  | 136473   | 35.046 | ug/l    | 100      |

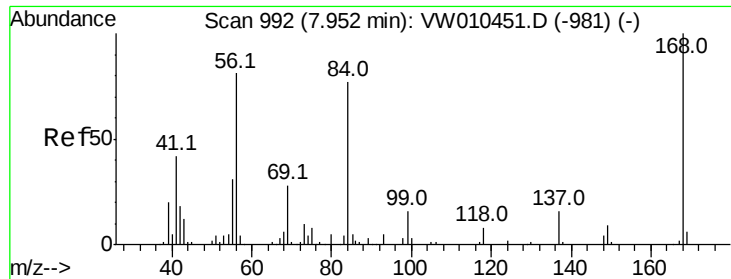
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052819\  
Data File : VW010575.D  
Acq On : 28 May 2019 18:51  
Operator : SY/VA  
Sample : K3065-11  
Misc : 5.05G/5ML/MSVOA W/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-12-1.0-1.5

Quant Time: May 29 07:57:27 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: VW010575.D

Acq: 28 May 2019 18:51

Instrument :

MSVOA\_W

ClientSampleId :

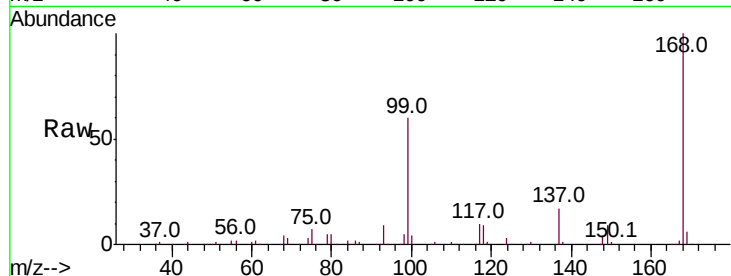
B-12-1.0-1.5

Tot Ion:168 Resp: 117604

Ion Ratio Lower Upper

168 100

99 59.9 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

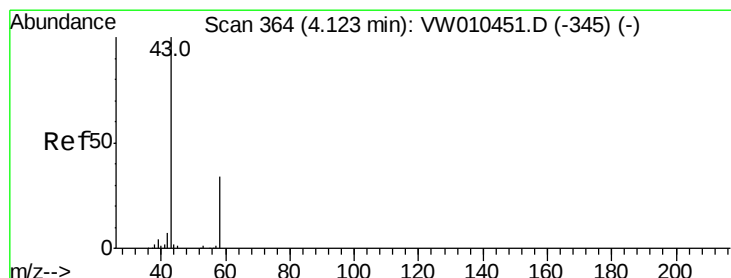
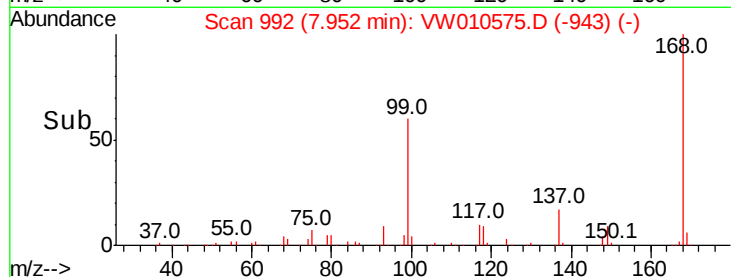
20000

10000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 11.389 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010575.D

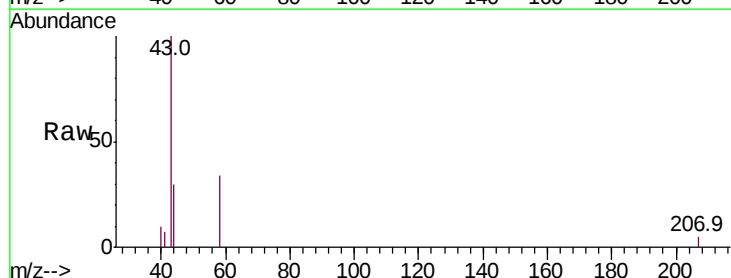
Acq: 28 May 2019 18:51

Tgt Ion: 43 Resp: 2822

Ion Ratio Lower Upper

43 100

58 34.4 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

1200

1000

800

600

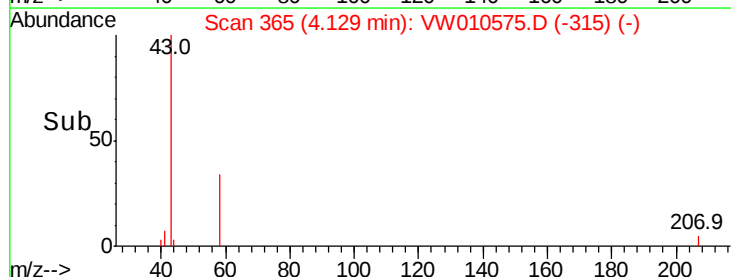
400

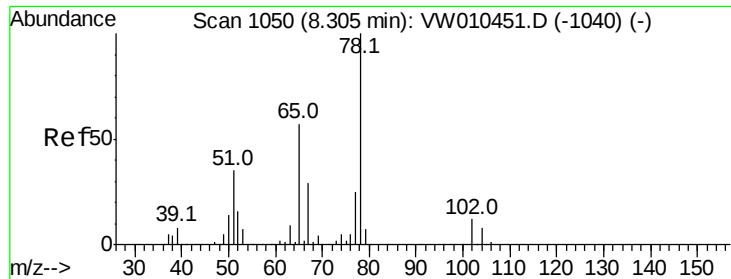
200

0

4.00 4.10 4.20

Time-->

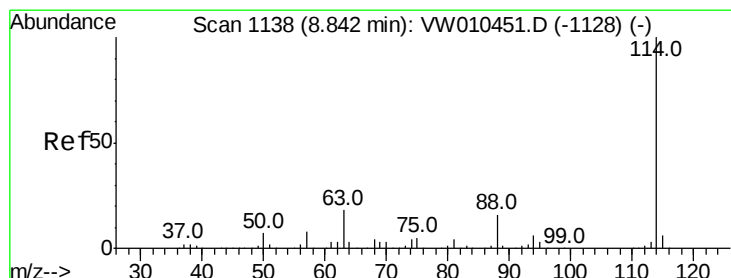
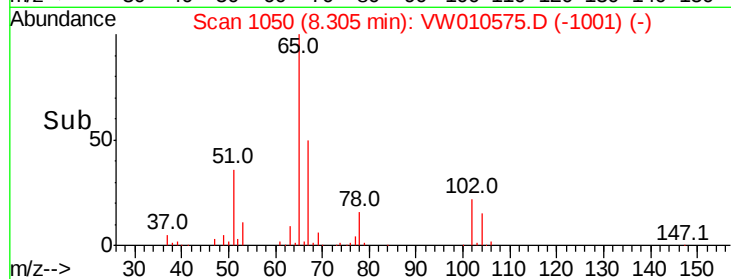
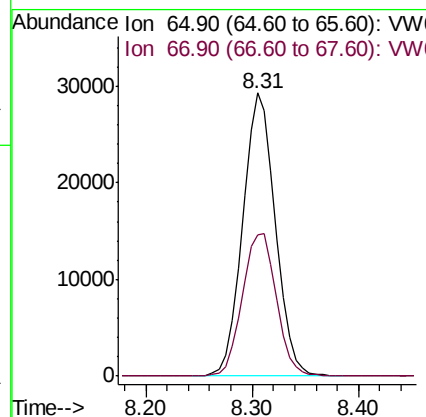
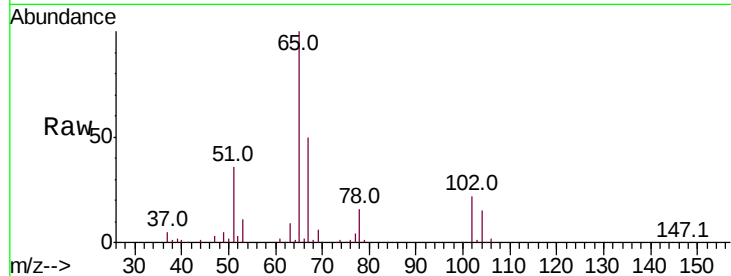




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.798 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW010575.D  
 Acq: 28 May 2019 18:51

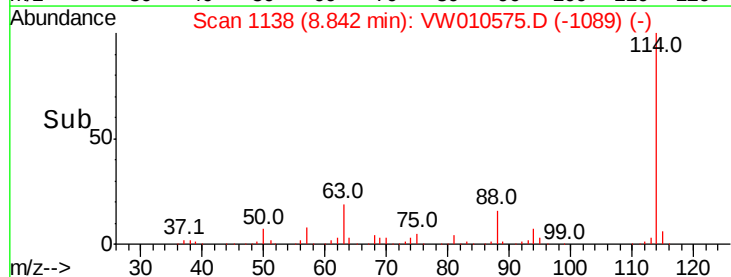
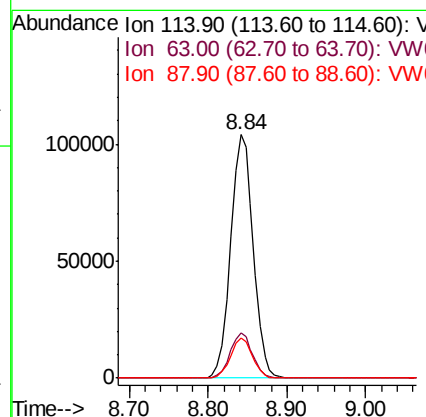
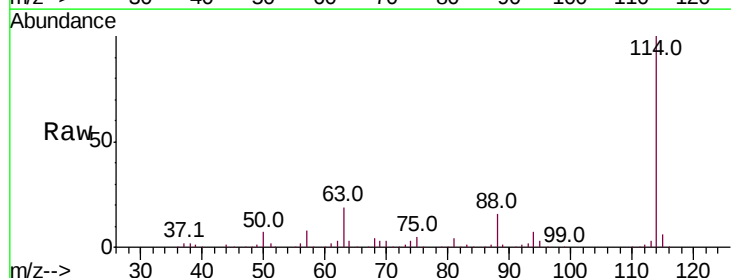
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-12-1.0-1.5

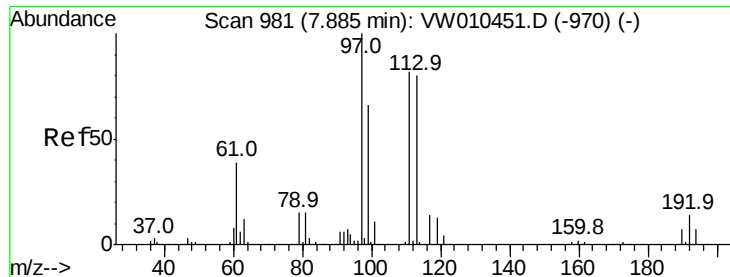
Tot Ion: 65 Resp: 62876  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010575.D  
 Acq: 28 May 2019 18:51

Tgt Ion: 114 Resp: 205718  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 36.0  
 88 16.4 0.0 32.0

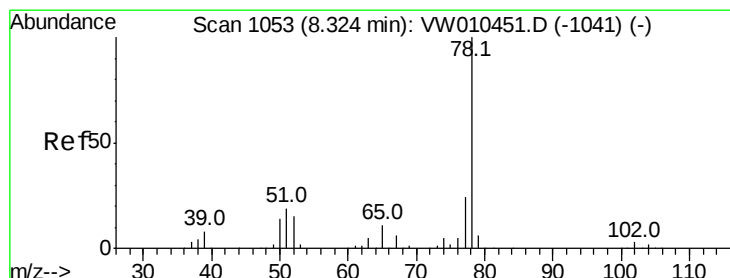
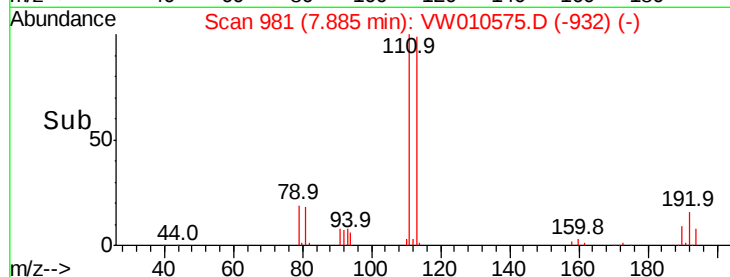
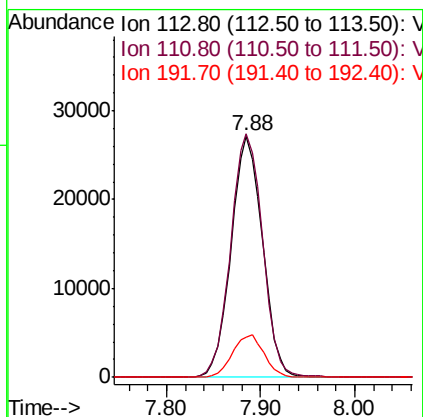
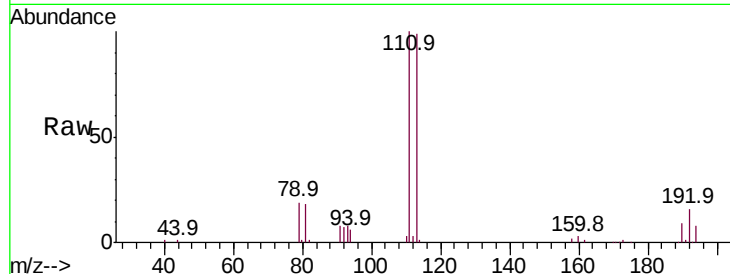




#35  
 Dibromofluoromethane  
 Concen: 50.464 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW010575.D  
 Acq: 28 May 2019 18:51

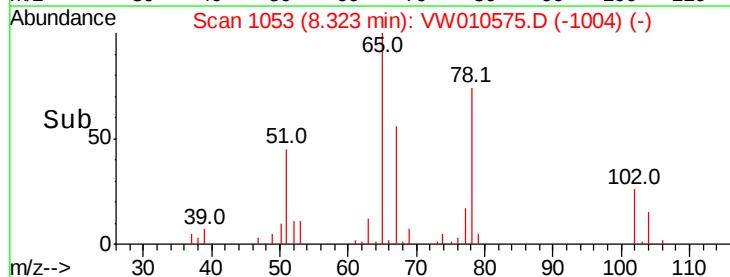
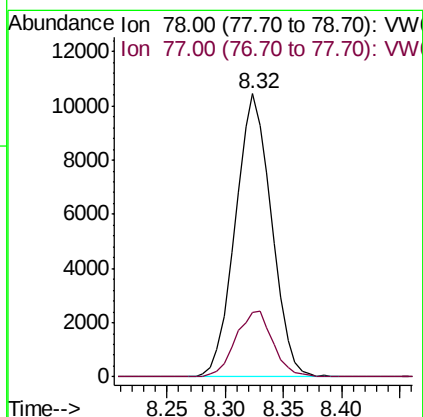
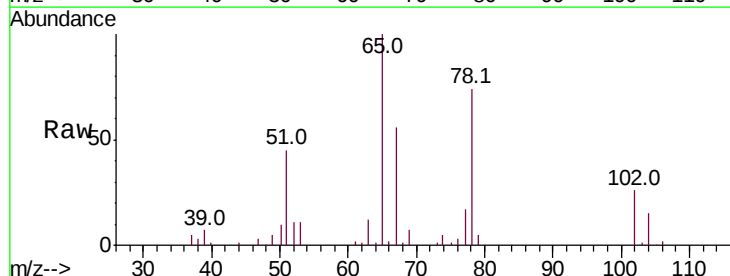
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-12-1.0-1.5

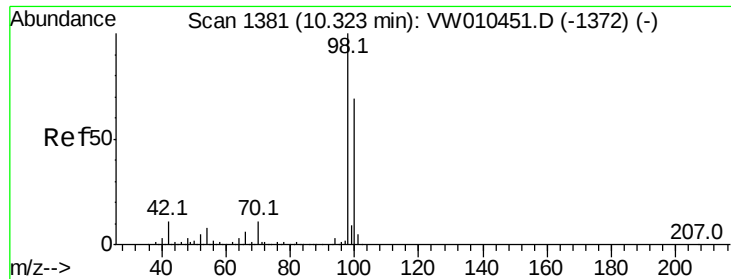
Tot Ion:113 Resp: 62992  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 82.2 123.4  
 192 17.8 14.3 21.5



#40  
 Benzene  
 Concen: 4.248 ug/l  
 RT: 8.32 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VW010575.D  
 Acq: 28 May 2019 18:51

Tgt Ion: 78 Resp: 22628  
 Ion Ratio Lower Upper  
 78 100  
 77 22.8 18.9 28.3





#50

Toluene-d8

Concen: 53.054 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010575.D

Acq: 28 May 2019 18:51

Instrument :

MSVOA\_W

ClientSampleId :

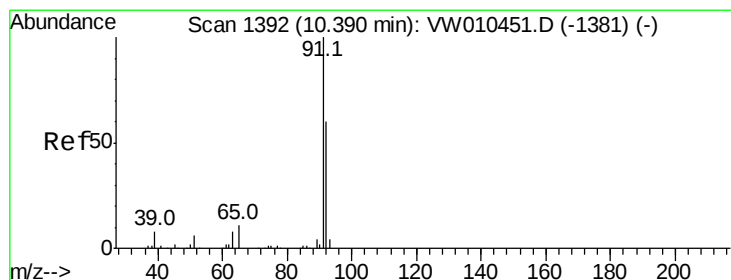
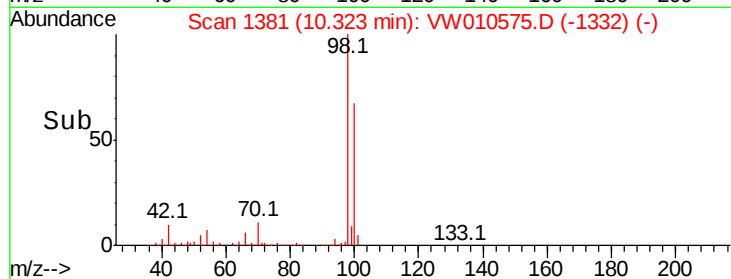
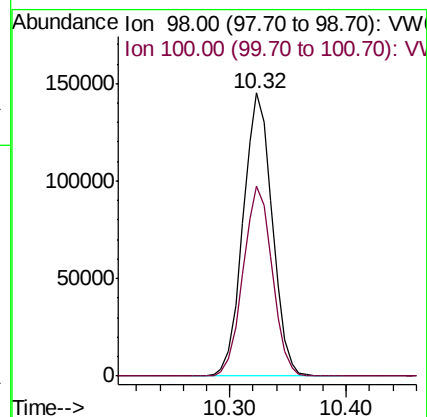
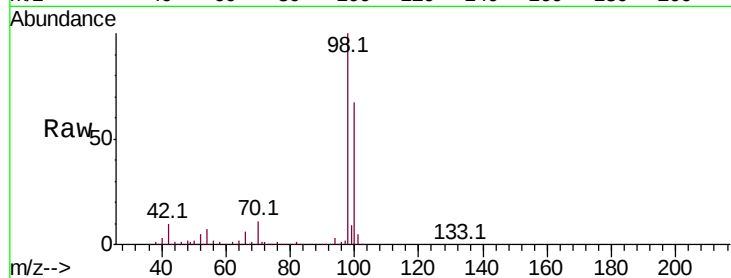
B-12-1.0-1.5

Tot Ion: 98 Resp: 252997

Ion Ratio Lower Upper

98 100

100 67.3 53.7 80.5



#52

Toluene

Concen: 1.041 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010575.D

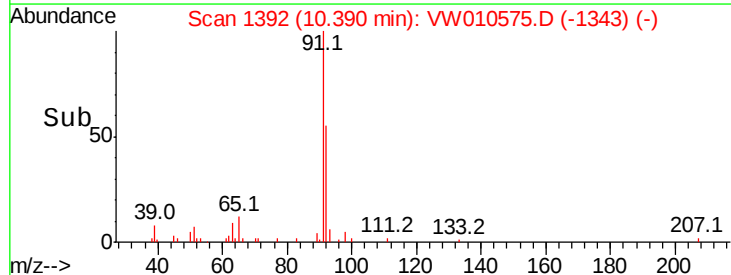
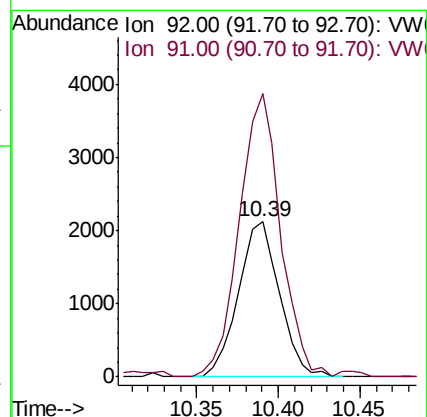
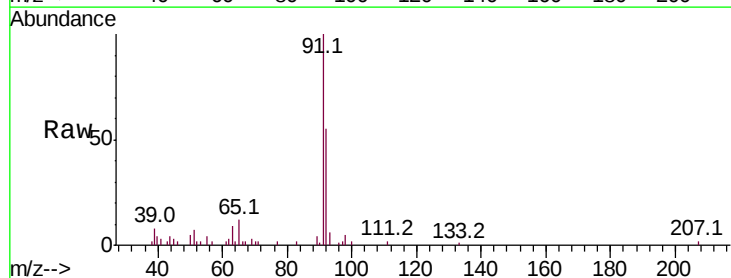
Acq: 28 May 2019 18:51

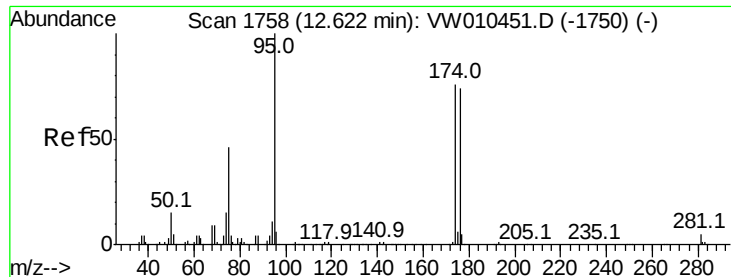
Tgt Ion: 92 Resp: 3722

Ion Ratio Lower Upper

92 100

91 183.3 135.4 203.0

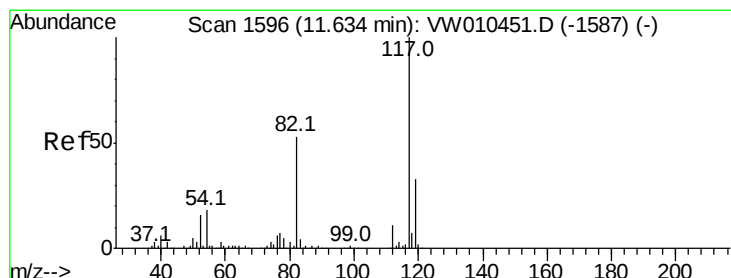
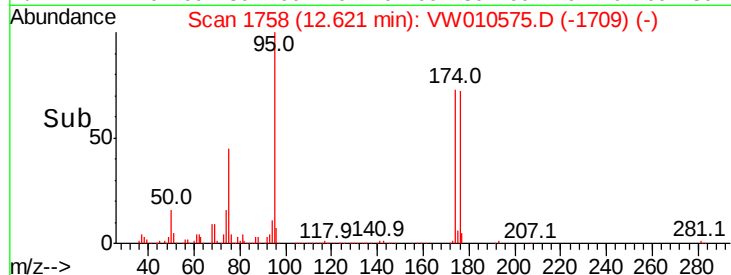
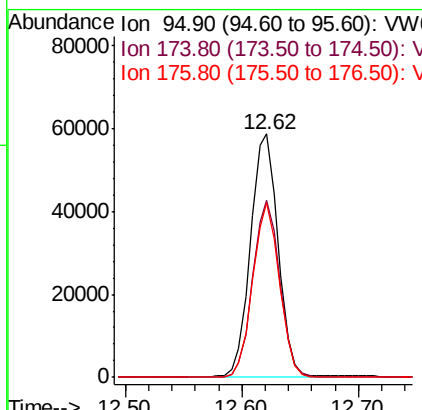
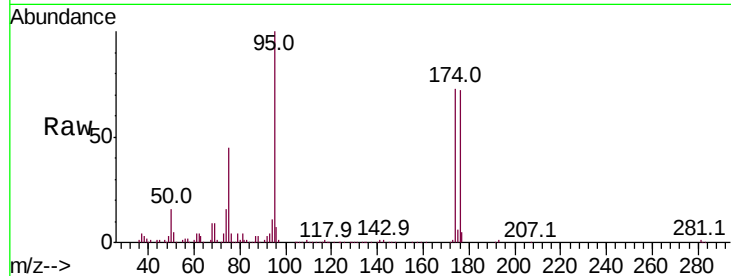




#62  
4-Bromofluorobenzene  
Concen: 50.891 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW010575.D  
Acq: 28 May 2019 18:51

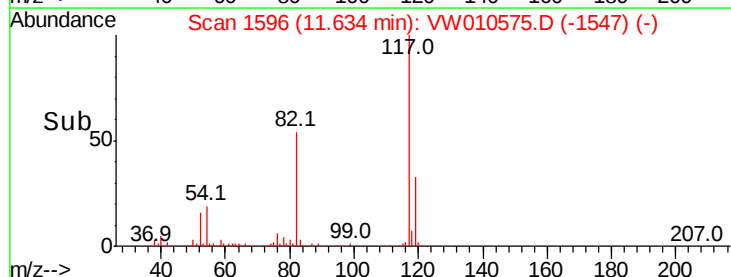
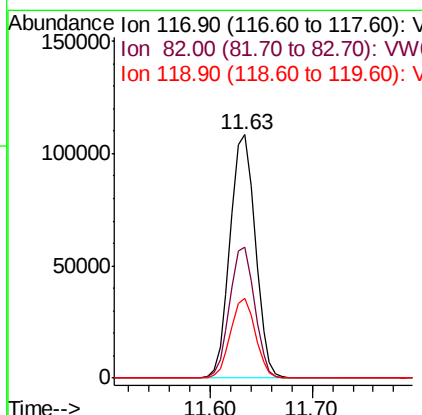
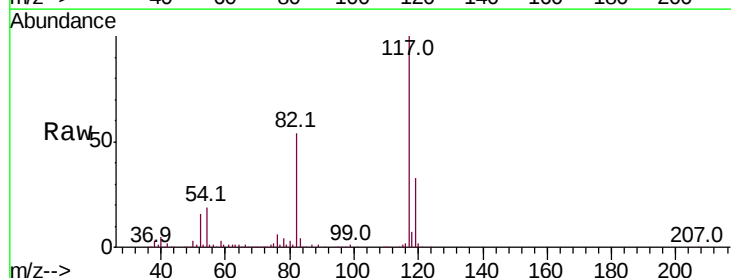
Instrument :  
MSVOA\_W  
ClientSampleId :  
B-12-1.0-1.5

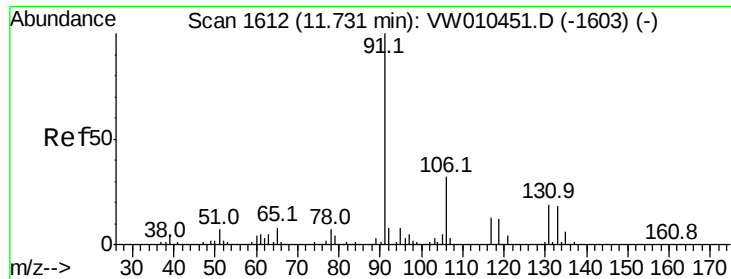
| Tot Ion   | 95    | Resp  | 96664 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 71.9  | 0.0   | 148.6 |
| 176       | 69.8  | 0.0   | 144.2 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010575.D  
Acq: 28 May 2019 18:51

| Tgt Ion   | 117   | Resp  | 185660 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 53.7  | 42.8  | 64.2   |
| 119       | 32.9  | 26.3  | 39.5   |

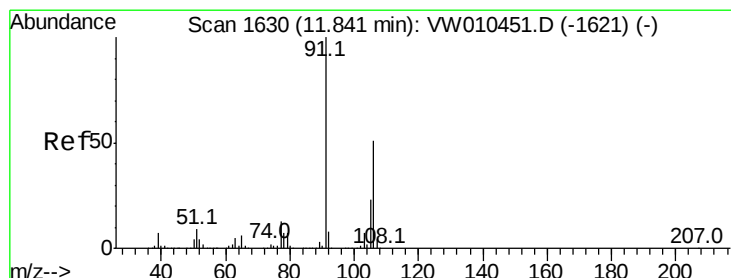
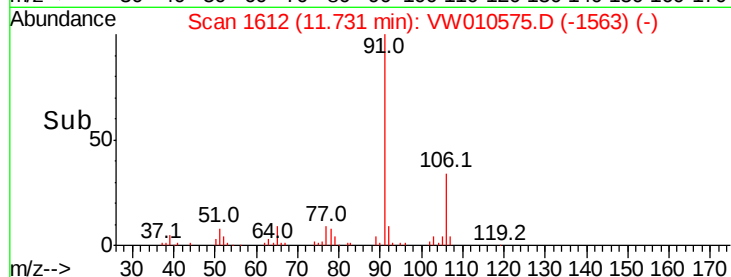
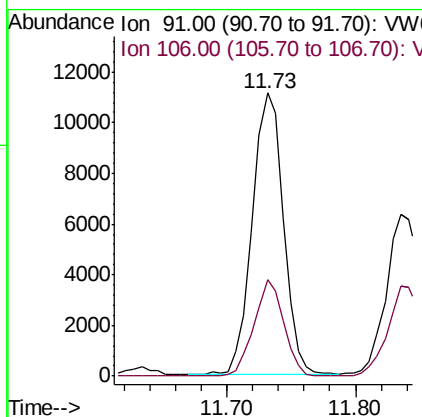
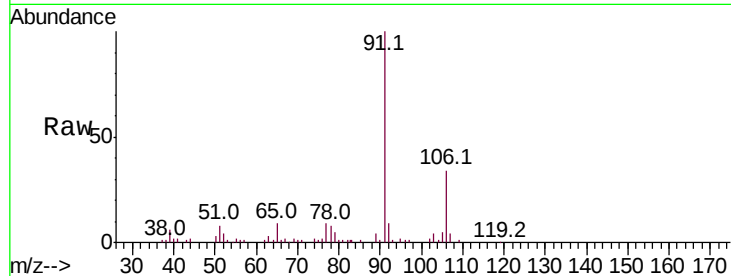




#67  
Ethyl Benzene  
Concen: 2.646 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW010575.D  
Acq: 28 May 2019 18:51

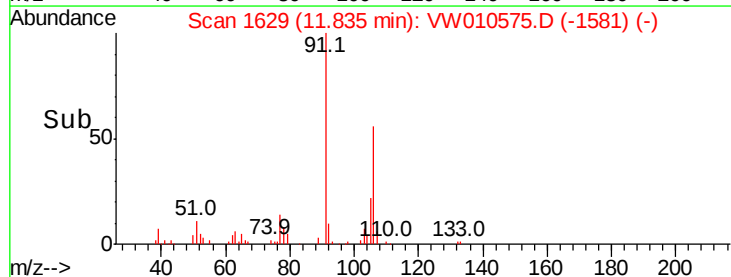
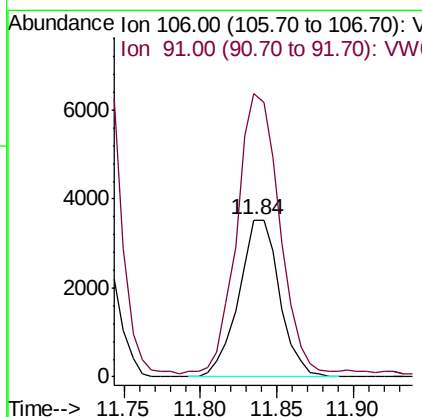
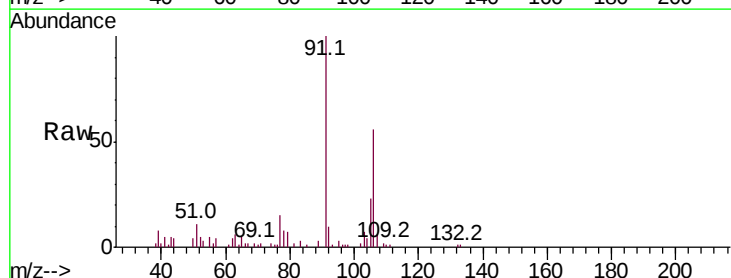
Instrument :  
MSVOA\_W  
ClientSampled :  
B-12-1.0-1.5

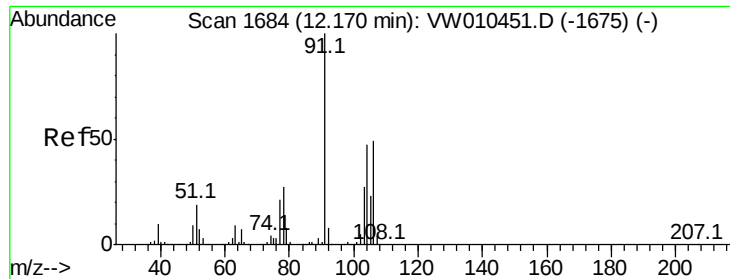
Tot Ion: 91 Resp: 18486  
Ion Ratio Lower Upper  
91 100  
106 34.2 25.9 38.9



#68  
m/p-Xylenes  
Concen: 2.391 ug/l  
RT: 11.84 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW010575.D  
Acq: 28 May 2019 18:51

Tgt Ion:106 Resp: 6552  
Ion Ratio Lower Upper  
106 100  
91 186.5 156.0 234.0

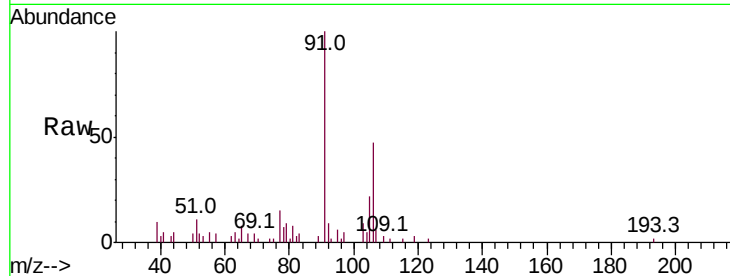




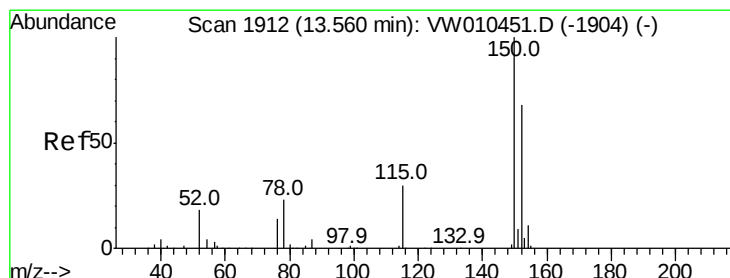
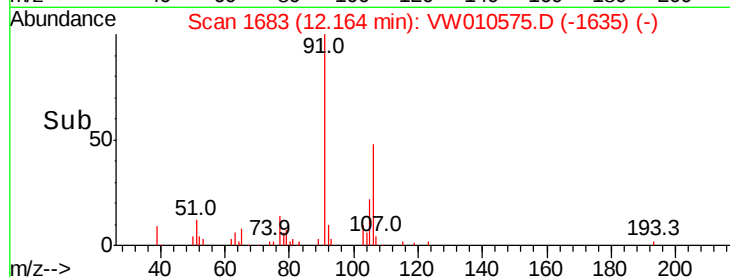
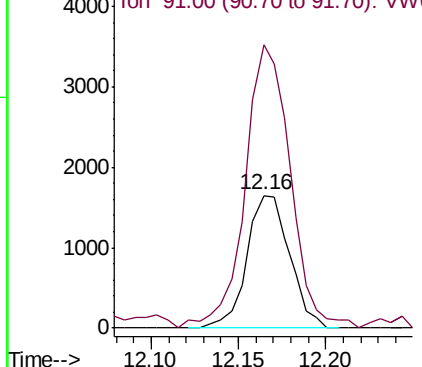
#69  
o-Xylene  
Concen: 1.080 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW010575.D  
Acq: 28 May 2019 18:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-12-1.0-1.5

Tot Ion:106 Resp: 2803  
Ion Ratio Lower Upper  
106 100  
91 225.9 103.2 309.4

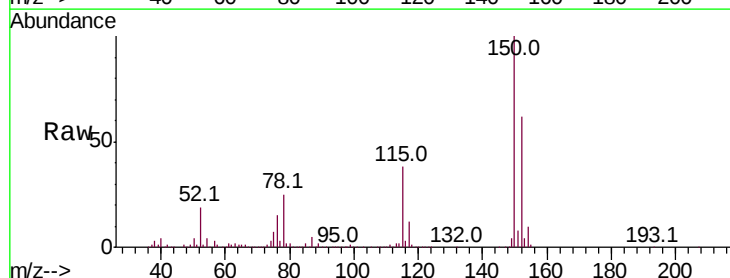


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

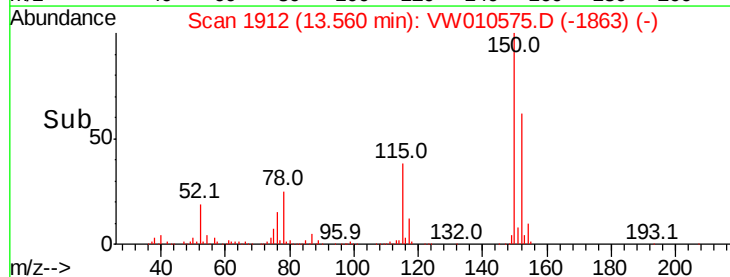
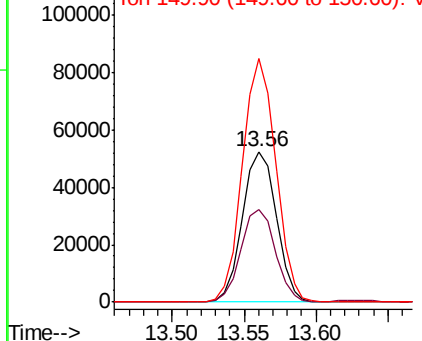


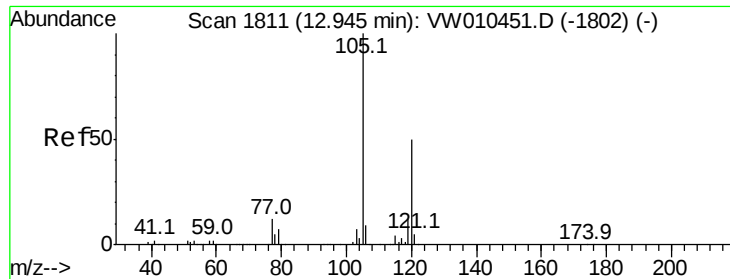
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW010575.D  
Acq: 28 May 2019 18:51

Tgt Ion:152 Resp: 85889  
Ion Ratio Lower Upper  
152 100  
115 62.0 30.3 91.0  
150 158.3 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

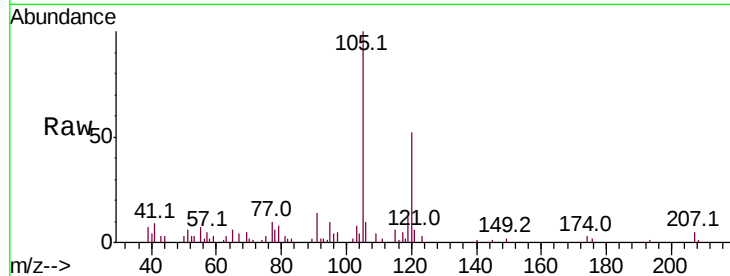




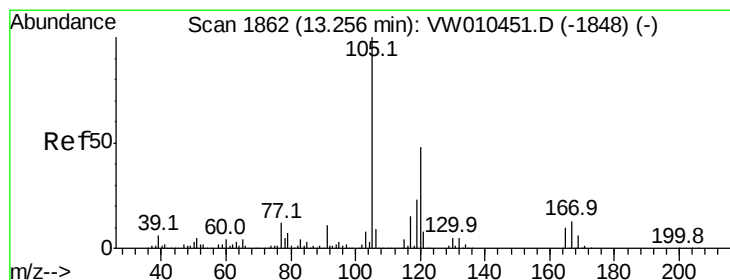
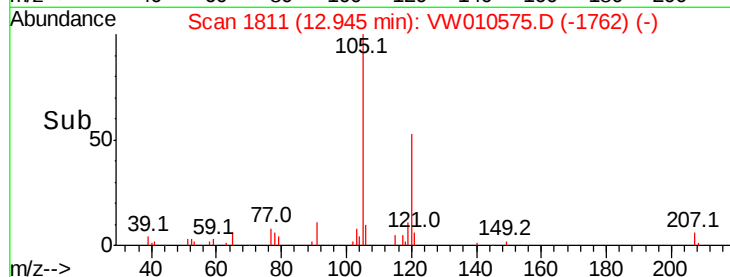
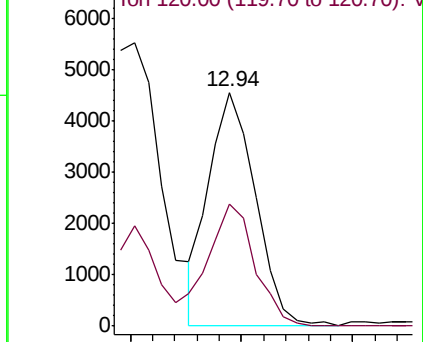
#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.153 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. -0.00 min  
 Lab File: VW010575.D  
 Acq: 28 May 2019 18:51

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 B-12-1.0-1.5

Tot Ion:105 Resp: 6654  
 Ion Ratio Lower Upper  
 105 100  
 120 53.5 25.2 75.6

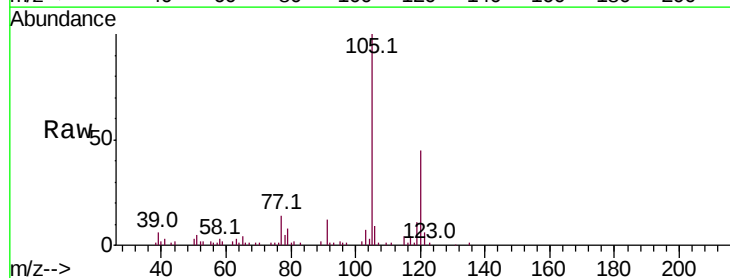


Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V

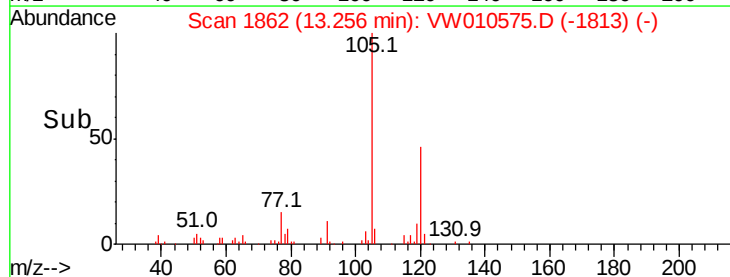
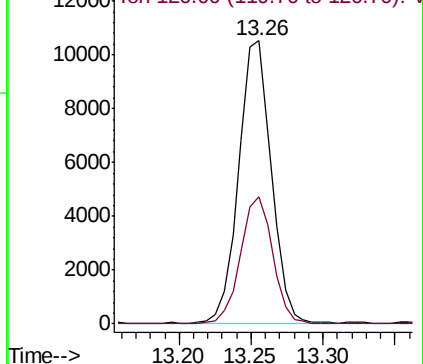


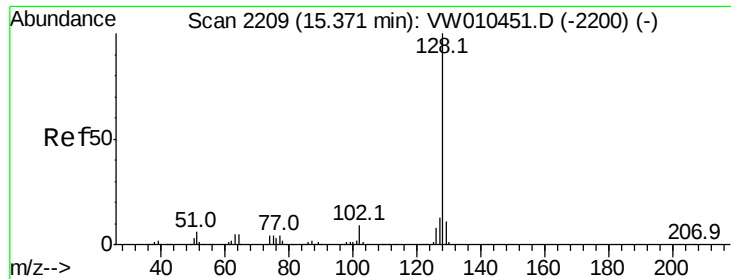
#84  
 1,2,4-Trimethylbenzene  
 Concen: 2.889 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. -0.00 min  
 Lab File: VW010575.D  
 Acq: 28 May 2019 18:51

Tgt Ion:105 Resp: 16608  
 Ion Ratio Lower Upper  
 105 100  
 120 44.0 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V

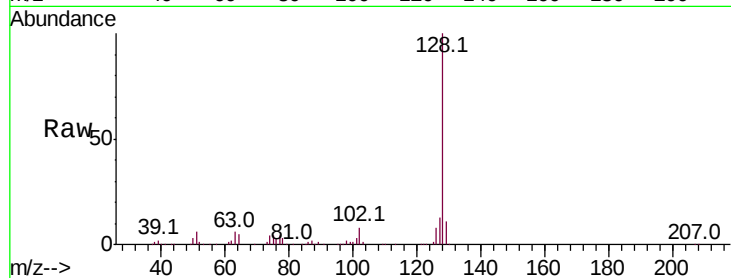




#95  
Naphthalene  
Concen: 35.046 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. -0.00 min  
Lab File: VW010575.D  
Acq: 28 May 2019 18:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-12-1.0-1.5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.6  | 15.8  |
| 129     | 11.0  | 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

