

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020619\  
 Data File : VW008534.D  
 Acq On : 06 Feb 2019 18:07  
 Operator : SY/VA  
 Sample : K1385-04  
 Misc : 12.72G/5ML/MSVOA W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 98-SB-101-2-4

Quant Time: Feb 07 03:32:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

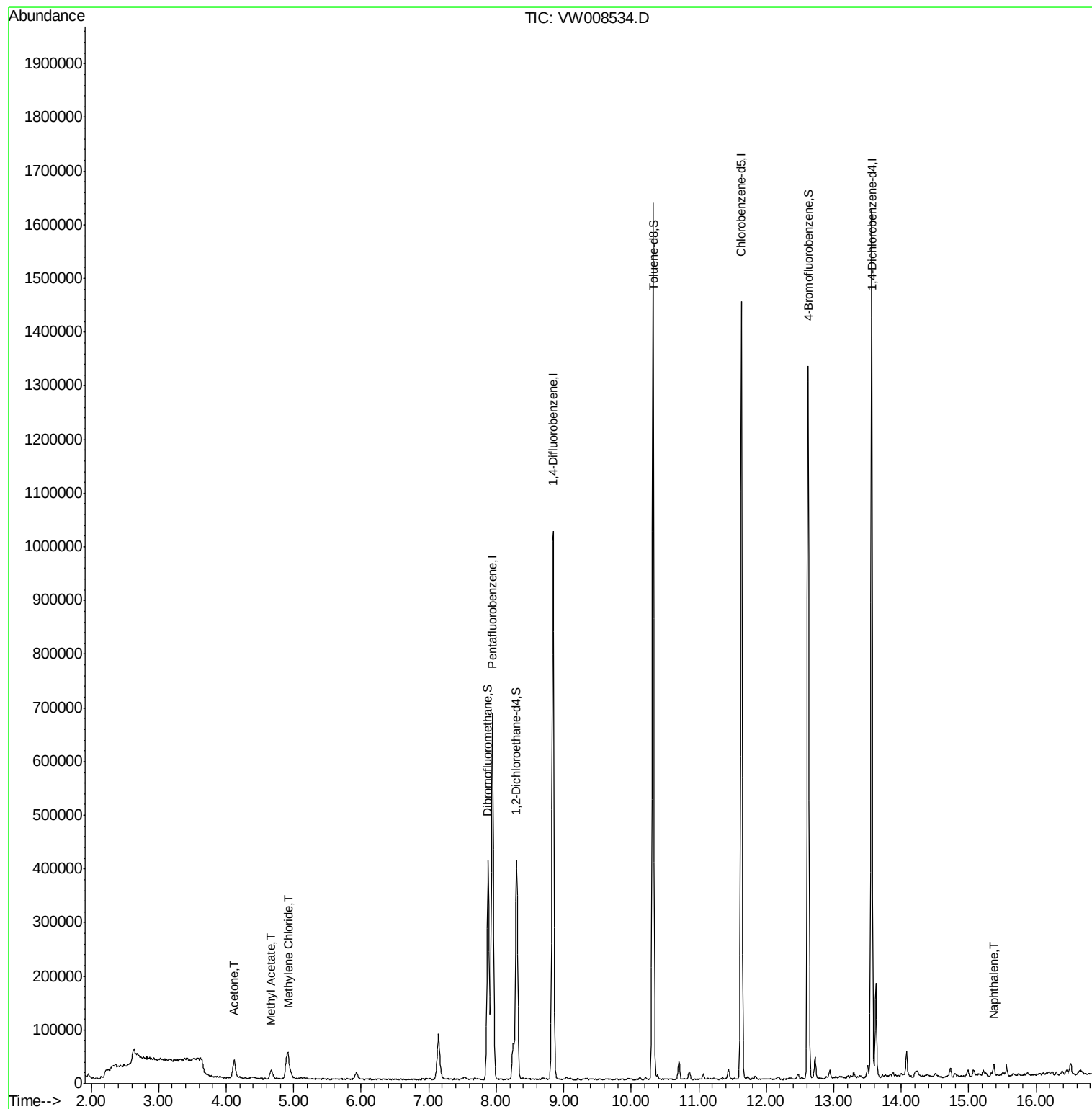
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 538804   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 882114   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 812136   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 416731   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 312923   | 59.12  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 118.24% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 279965   | 54.28  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.56% |          |
| 50) Toluene-d8              | 10.32 | 98   | 1047228  | 50.63  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.26% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 405836   | 51.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.10% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 60358    | 50.777 | ug/l    | 94       |
| 18) Methyl Acetate          | 4.67  | 43   | 28597    | 9.020  | ug/l    | 97       |
| 20) Methylene Chloride      | 4.91  | 84   | 46887    | 8.558  | ug/l    | 96       |
| 95) Naphthalene             | 15.37 | 128  | 17711    | 1.166  | ug/l #  | 92       |

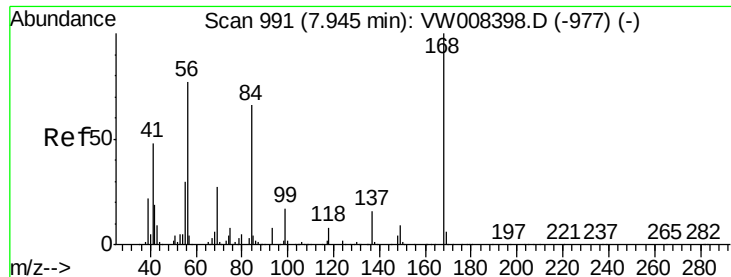
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008534.D

Acq: 06 Feb 2019 18:07

Instrument :

MSVOA\_W

ClientSampleId :

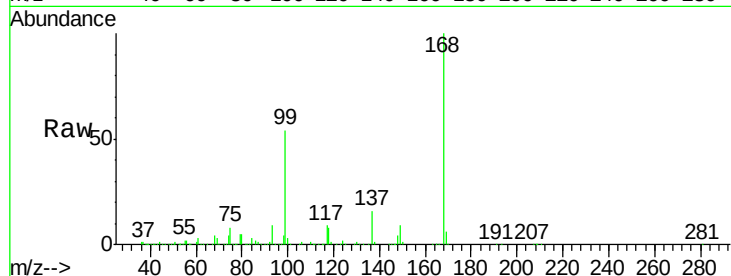
98-SB-101-2-4

Tot Ion:168 Resp: 538804

Ion Ratio Lower Upper

168 100

99 54.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

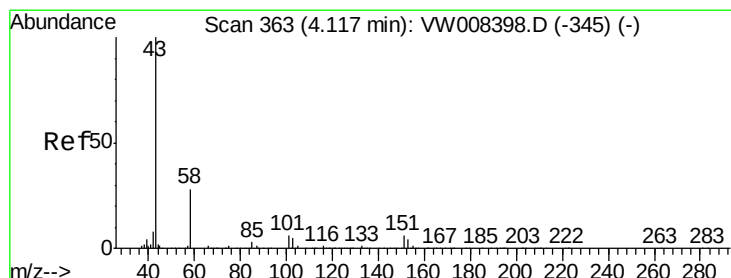
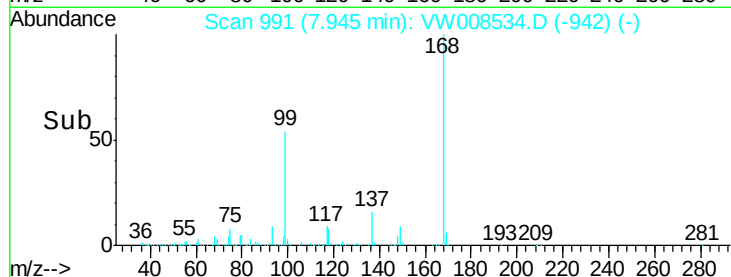
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 50.777 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008534.D

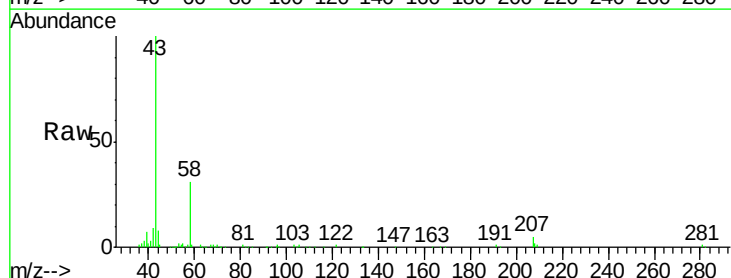
Acq: 06 Feb 2019 18:07

Tgt Ion: 43 Resp: 60358

Ion Ratio Lower Upper

43 100

58 31.6 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

25000

20000

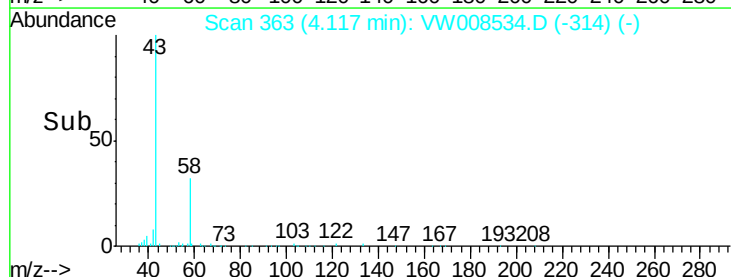
15000

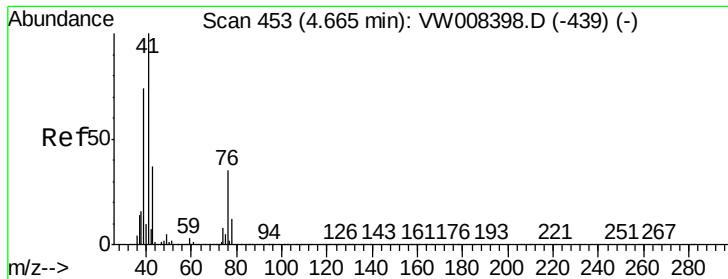
10000

5000

0

Time--> 4.00 4.10 4.20

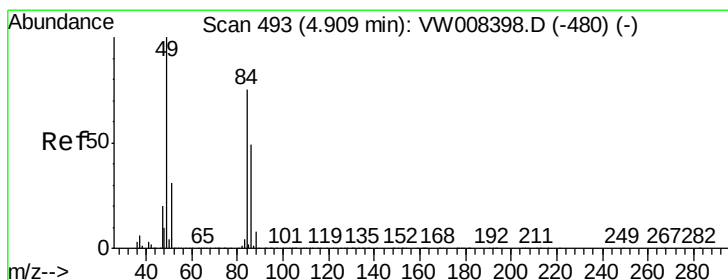
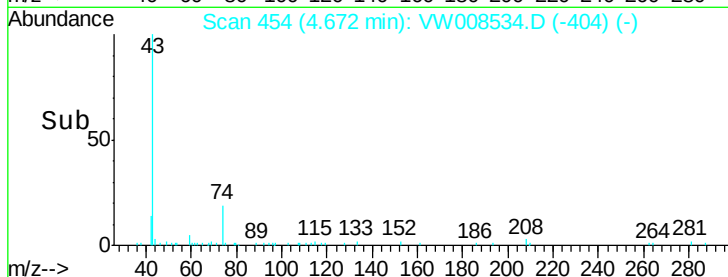
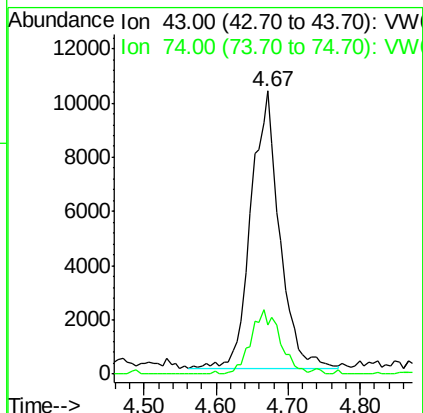
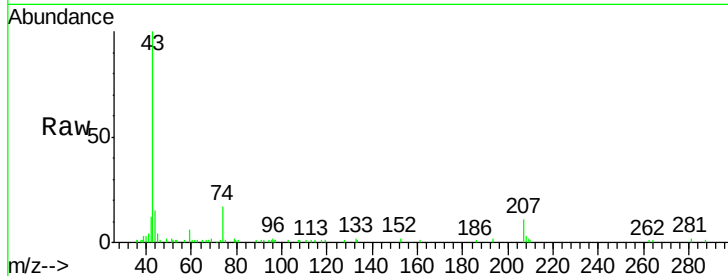




#18  
Methyl Acetate  
Concen: 9.020 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: VW008534.D  
Acq: 06 Feb 2019 18:07

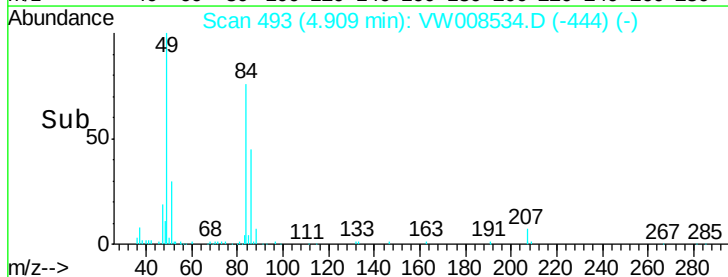
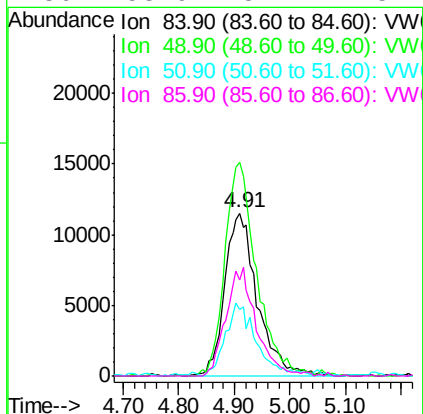
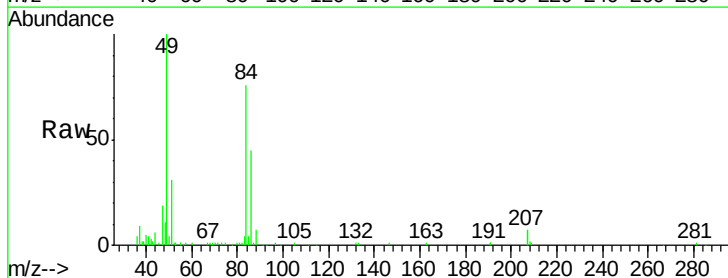
Instrument :  
MSVOA\_W  
ClientSampleId :  
98-SB-101-2-4

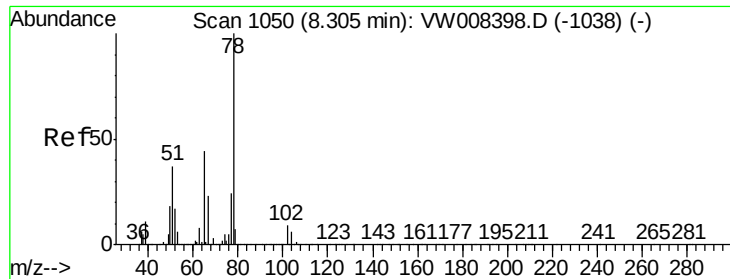
Tot Ion: 43 Resp: 28597  
Ion Ratio Lower Upper  
43 100  
74 23.2 17.5 26.3



#20  
Methylene Chloride  
Concen: 8.558 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. 0.00 min  
Lab File: VW008534.D  
Acq: 06 Feb 2019 18:07

Tgt Ion: 84 Resp: 46887  
Ion Ratio Lower Upper  
84 100  
49 131.0 106.8 160.2  
51 40.2 32.9 49.3  
86 58.9 52.2 78.2

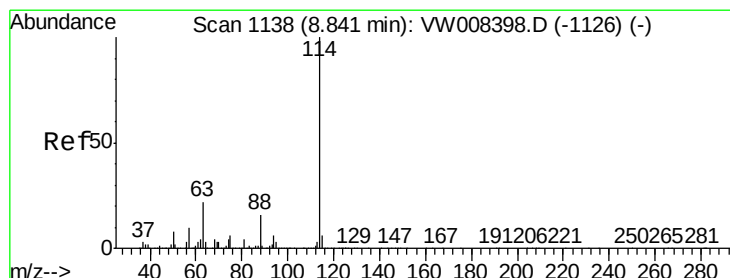
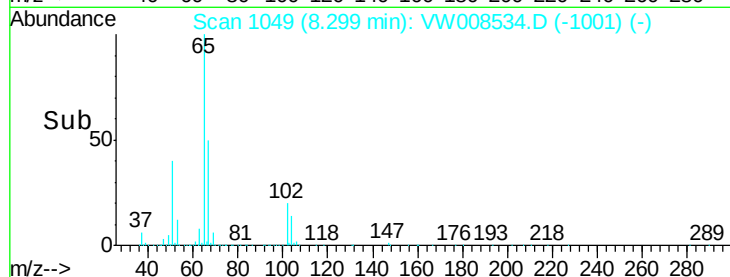
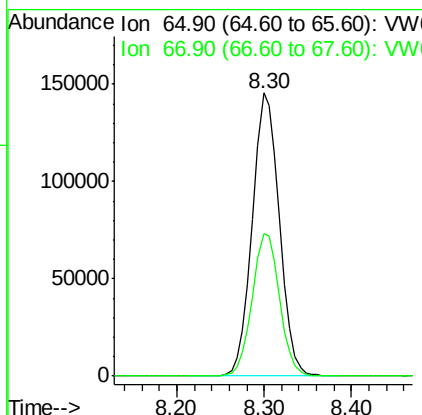
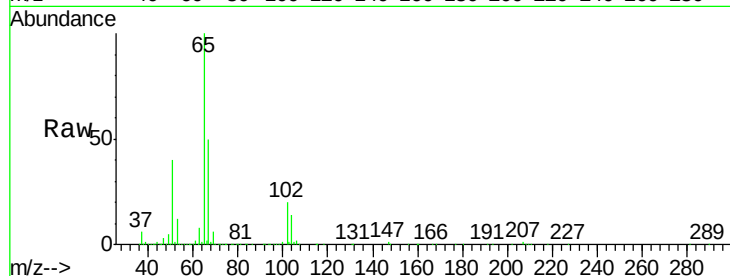




#33  
 1,2-Dichloroethane-d4  
 Concen: 59.117 ug/l  
 RT: 8.30 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: VW008534.D  
 Acq: 06 Feb 2019 18:07

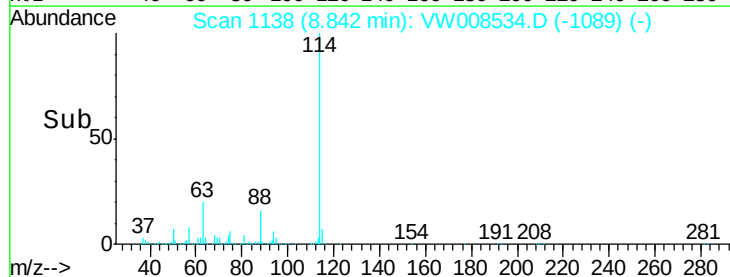
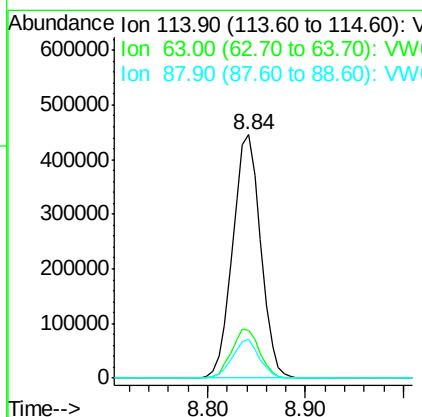
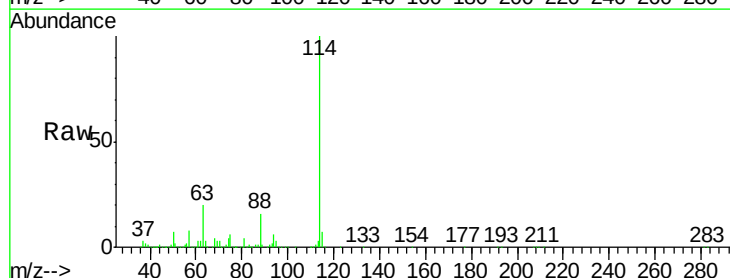
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 98-SB-101-2-4

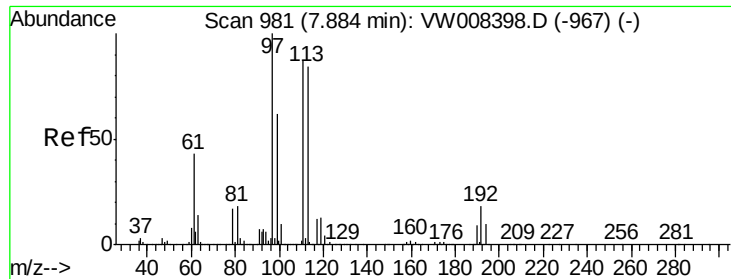
Tot Ion: 65 Resp: 312923  
 Ion Ratio Lower Upper  
 65 100  
 67 51.0 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW008534.D  
 Acq: 06 Feb 2019 18:07

Tgt Ion: 114 Resp: 882114  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 43.6  
 88 15.9 0.0 31.8

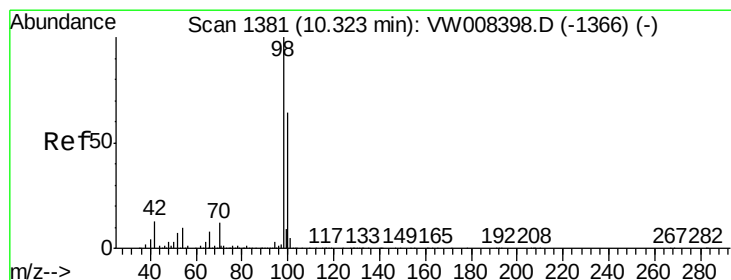
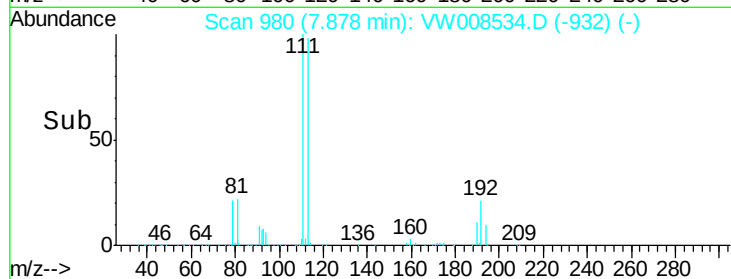
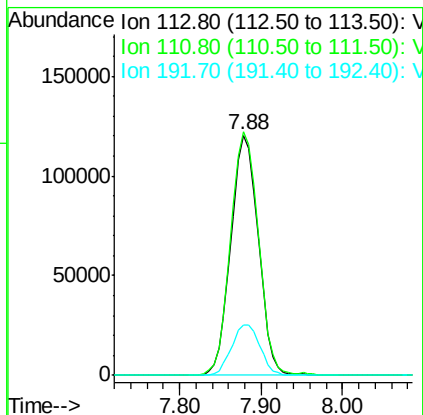
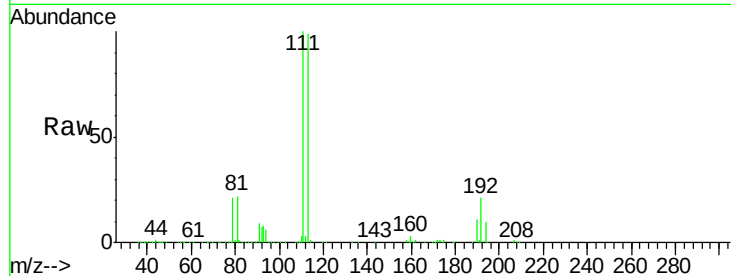




#35  
Dibromofluoromethane  
Concen: 54.278 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: VW008534.D  
Acq: 06 Feb 2019 18:07

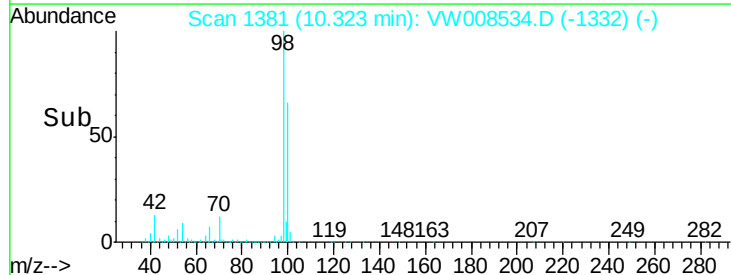
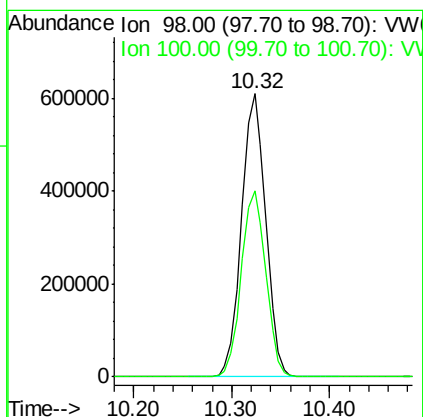
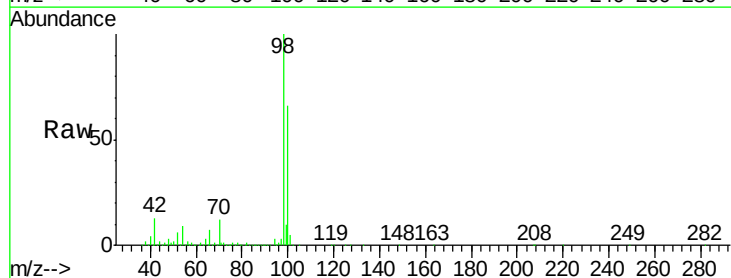
Instrument :  
MSVOA\_W  
ClientSampleId :  
98-SB-101-2-4

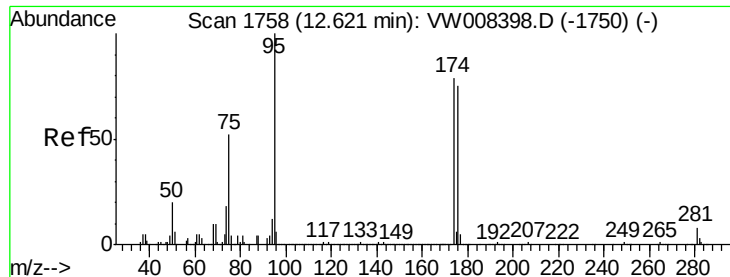
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 81.0  | 121.4 |
| 192     | 21.7  | 16.8  | 25.2  |



#50  
Toluene-d8  
Concen: 50.630 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW008534.D  
Acq: 06 Feb 2019 18:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.6  | 52.6  | 78.8  |

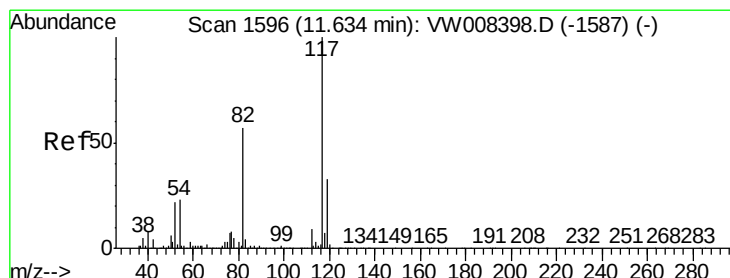
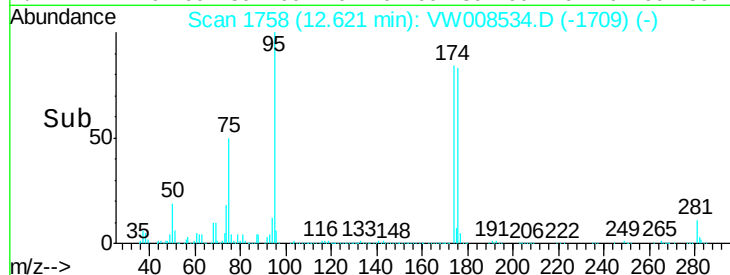
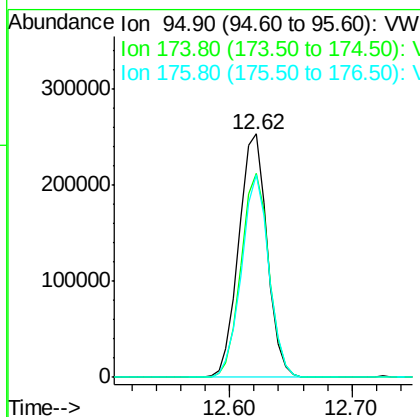
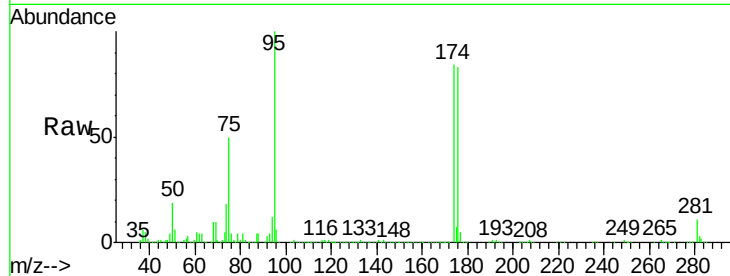




#62  
4-Bromofluorobenzene  
Concen: 51.045 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW008534.D  
Acq: 06 Feb 2019 18:07

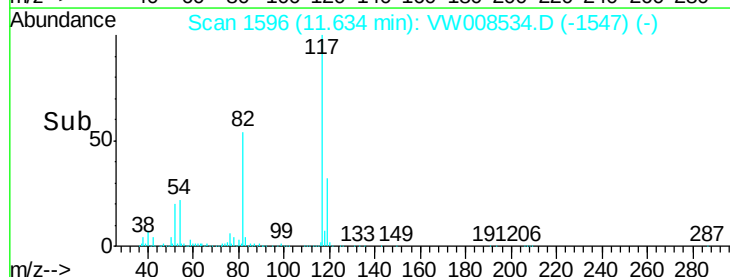
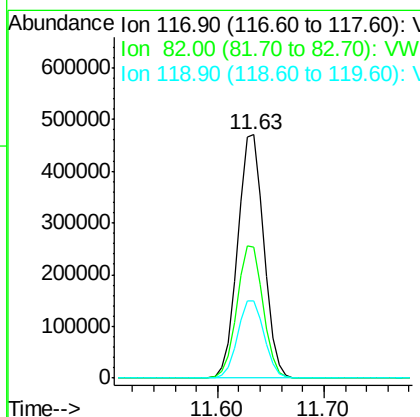
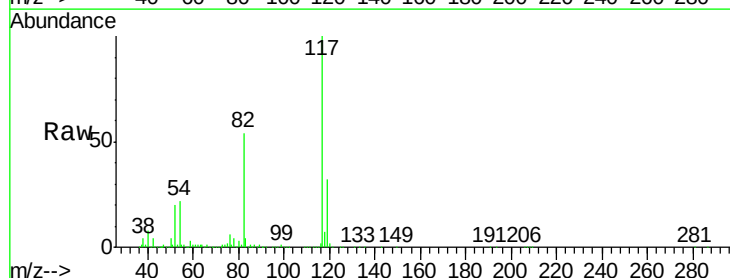
Instrument :  
MSVOA\_W  
ClientSampleId :  
98-SB-101-2-4

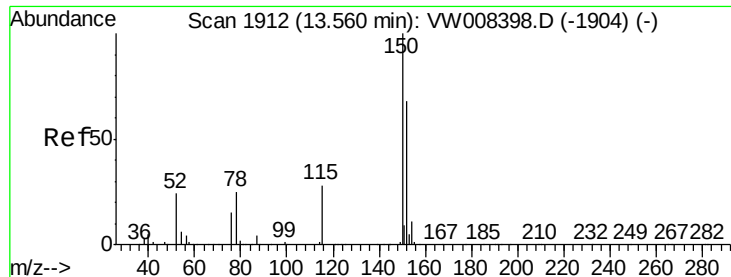
| Tot Ion   | 95    | Resp  | 405836 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 82.9  | 0.0   | 157.6  |
| 176       | 80.5  | 0.0   | 151.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008534.D  
Acq: 06 Feb 2019 18:07

| Tgt Ion   | 117   | Resp  | 812136 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 53.7  | 45.4  | 68.0   |
| 119       | 31.9  | 26.2  | 39.4   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008534.D

Acq: 06 Feb 2019 18:07

Instrument :

MSVOA\_W

ClientSampleId :

98-SB-101-2-4

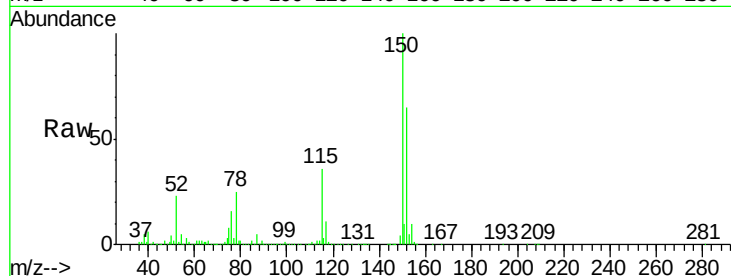
Tot Ion:152 Resp: 416731

Ion Ratio Lower Upper

152 100

115 57.1 29.9 89.7

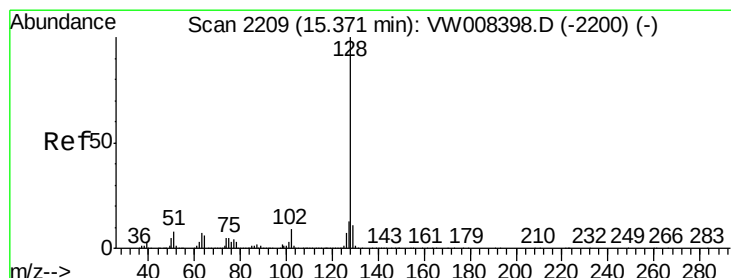
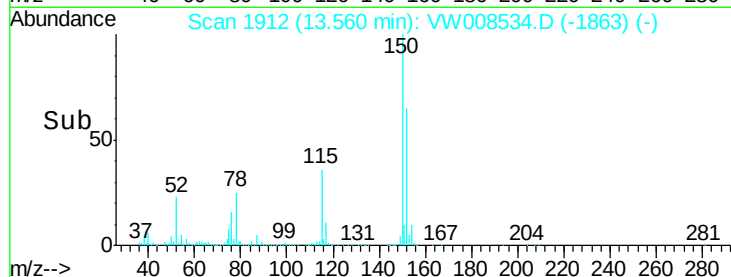
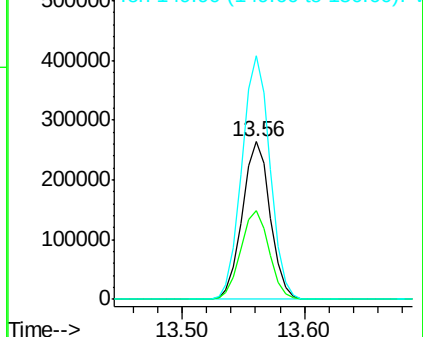
150 156.1 0.0 351.4



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



#95

Naphthalene

Concen: 1.166 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008534.D

Acq: 06 Feb 2019 18:07

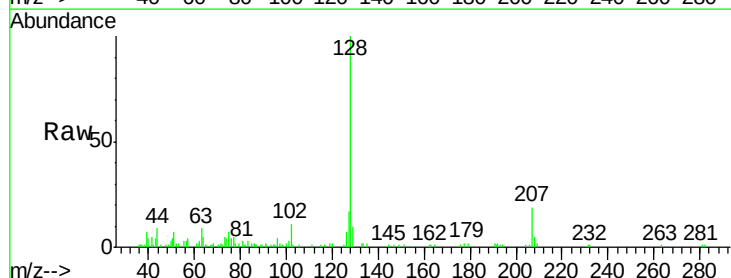
Tgt Ion:128 Resp: 17711

Ion Ratio Lower Upper

128 100

127 16.5 10.6 15.8#

129 13.9 8.7 13.1#



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

