

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101618\  
 Data File : VW006109.D  
 Acq On : 17 Oct 2018 06:30  
 Operator : VA/AP  
 Sample : J5539-06  
 Misc : 6.79G/5ML/MSVOA W/SOIL  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB12-6-8FT

Quant Time: Oct 17 08:03:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 16 05:36:33 2018  
 Response via : Initial Calibration

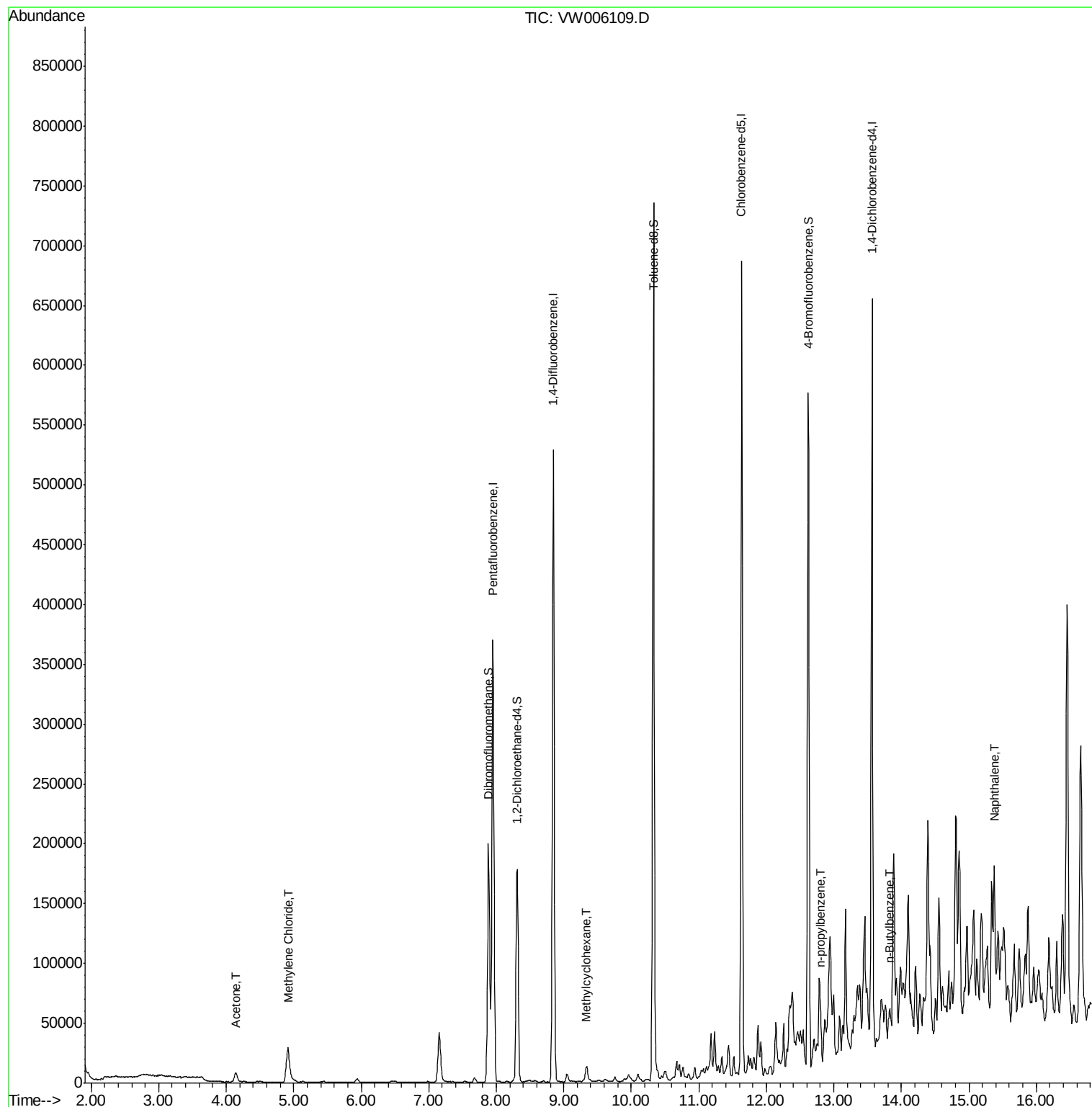
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 304294   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 477692   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 400876   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 178864   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 144529   | 57.29  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.58% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 141613   | 50.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.34% |          |
| 50) Toluene-d8              | 10.33 | 98   | 497837   | 46.36  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.72%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 166736   | 41.34  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 82.68%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.15  | 43   | 15759    | 19.657 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.92  | 84   | 25863    | 8.332  | ug/l    | 97       |
| 39) Methylcyclohexane       | 9.34  | 83   | 6839     | 1.169  | ug/l    | 89       |
| 78) n-propylbenzene         | 12.81 | 91   | 19323    | 1.314  | ug/l    | 98       |
| 89) n-Butylbenzene          | 13.83 | 91   | 13362    | 1.200  | ug/l #  | 86       |
| 95) Naphthalene             | 15.38 | 128  | 121367   | 17.258 | ug/l    | 99       |

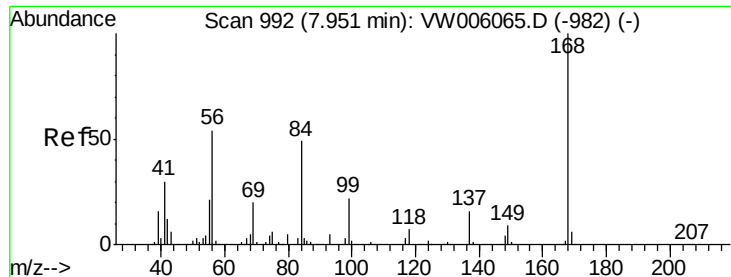
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101618\  
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MSVOA\_W  
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SB12-6-8FT

Quant Time: Oct 17 08:03:08 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 16 05:36:33 2018  
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: VW006109.D

Acq: 17 Oct 2018 06:30

Instrument :

MSVOA\_W

ClientSampleId :

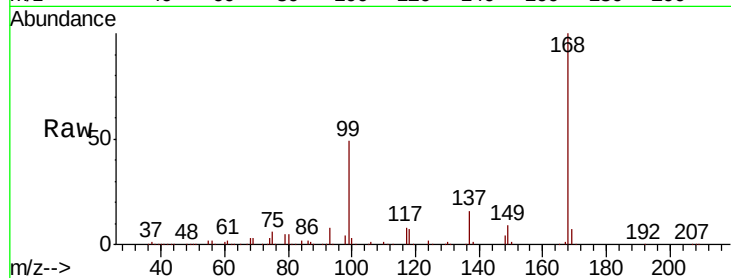
SB12-6-8FT

Tot Ion:168 Resp: 304294

Ion Ratio Lower Upper

168 100

99 48.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

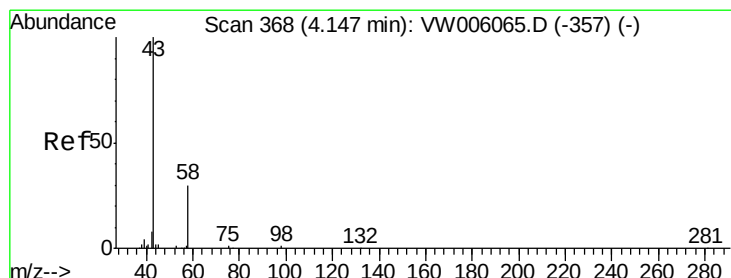
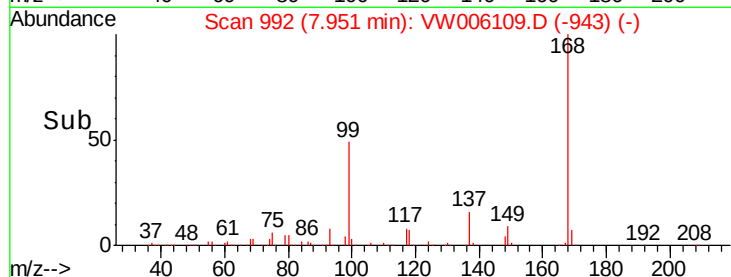
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 19.657 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006109.D

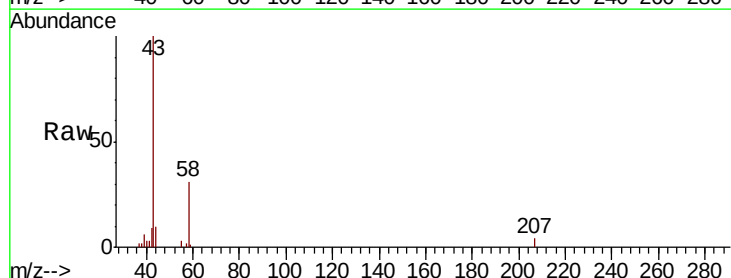
Acq: 17 Oct 2018 06:30

Tgt Ion: 43 Resp: 15759

Ion Ratio Lower Upper

43 100

58 30.9 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

6000

5000

4000

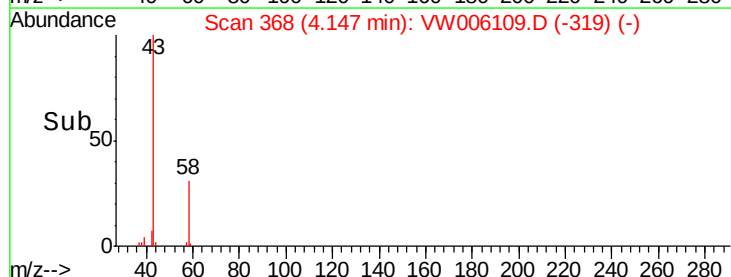
3000

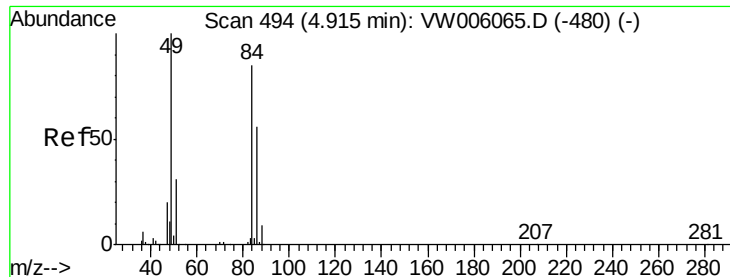
2000

1000

0

Time--> 4.00 4.10 4.20

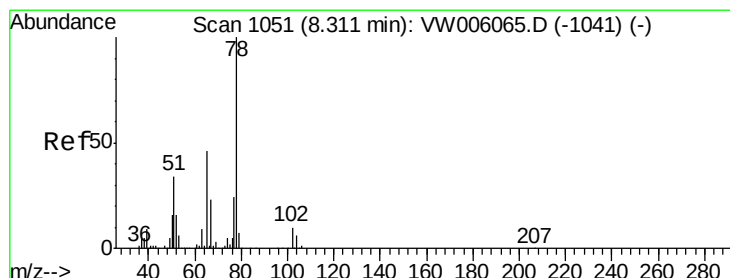
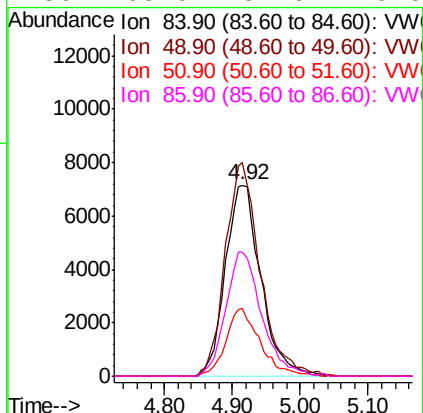
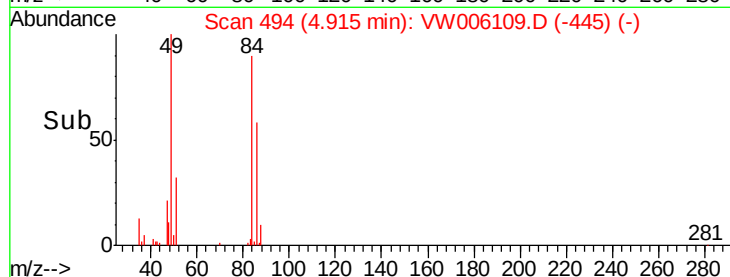
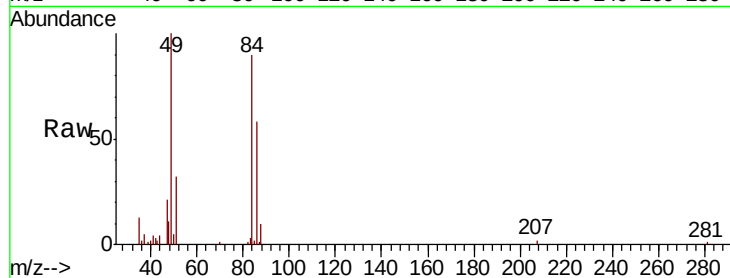




#20  
Methylene Chloride  
Concen: 8.332 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW006109.D  
Acq: 17 Oct 2018 06:30

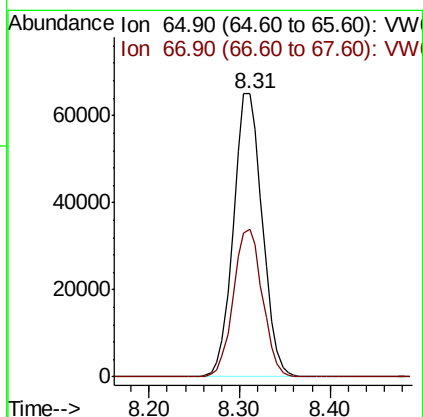
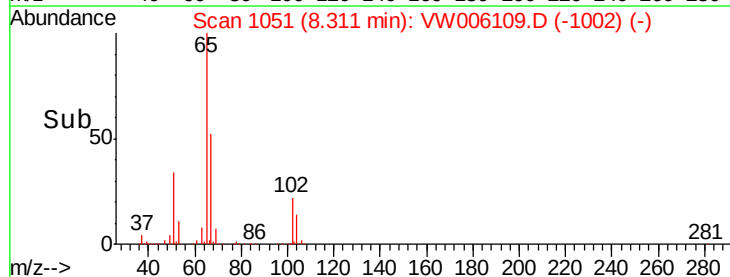
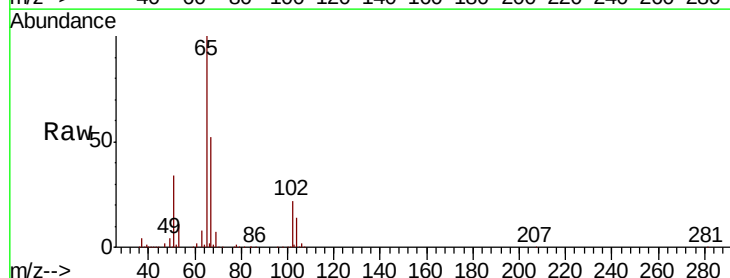
Instrument :  
MSVOA\_W  
ClientSampled :  
SB12-6-8FT

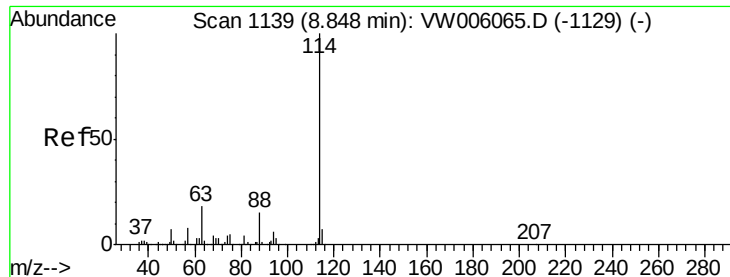
Tot Ion: 84 Resp: 25863  
Ion Ratio Lower Upper  
84 100  
49 111.7 93.6 140.4  
51 35.8 29.0 43.4  
86 65.0 52.6 79.0



#33  
1,2-Dichloroethane-d4  
Concen: 57.290 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW006109.D  
Acq: 17 Oct 2018 06:30

Tgt Ion: 65 Resp: 144529  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 101.0

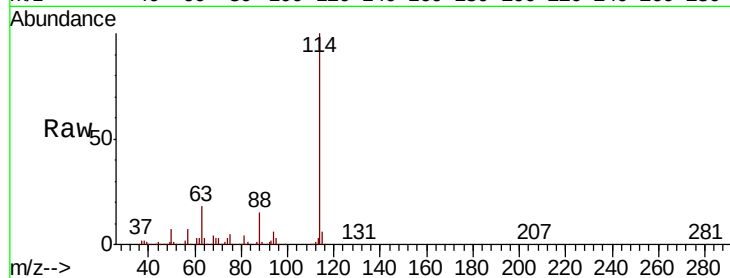




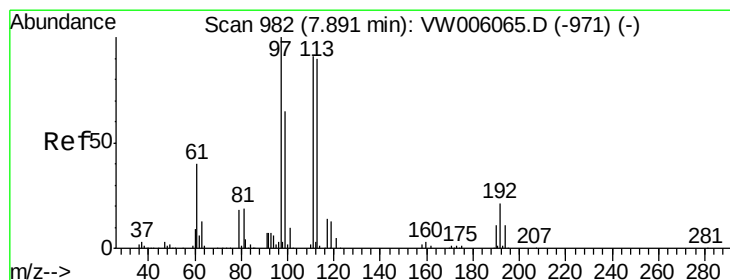
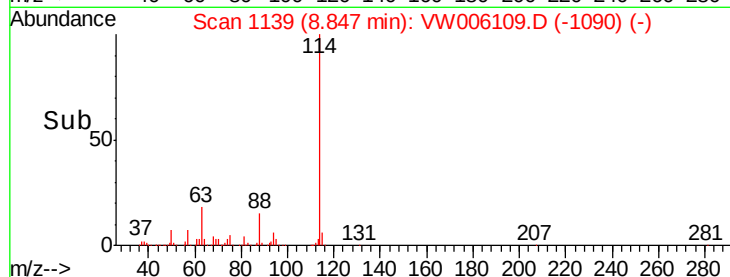
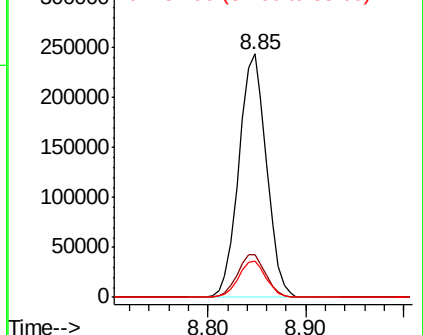
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW006109.D  
 Acq: 17 Oct 2018 06:30

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB12-6-8FT

Tot Ion:114 Resp: 477692  
 Ion Ratio Lower Upper  
 114 100  
 63 17.6 0.0 36.8  
 88 15.1 0.0 29.0

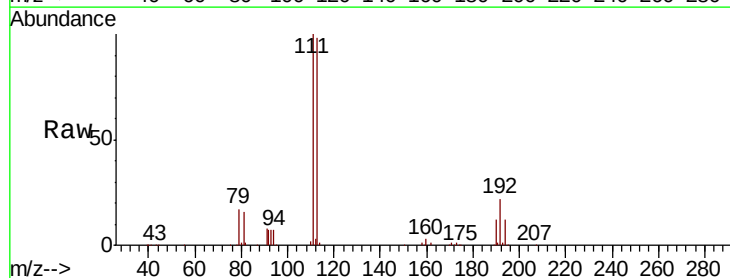


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

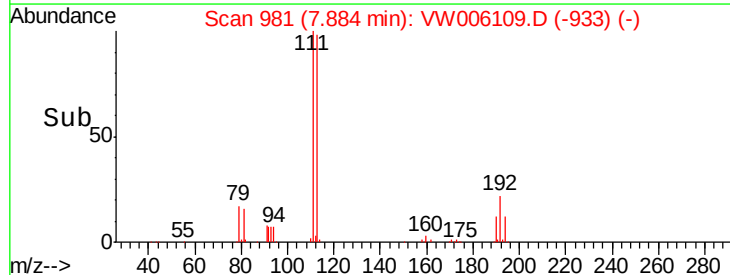
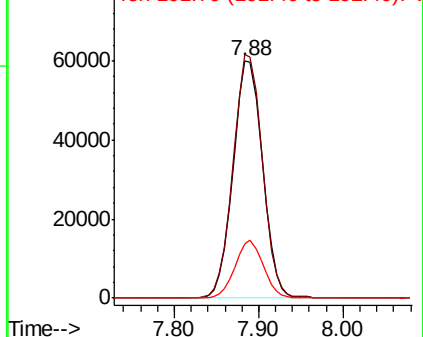


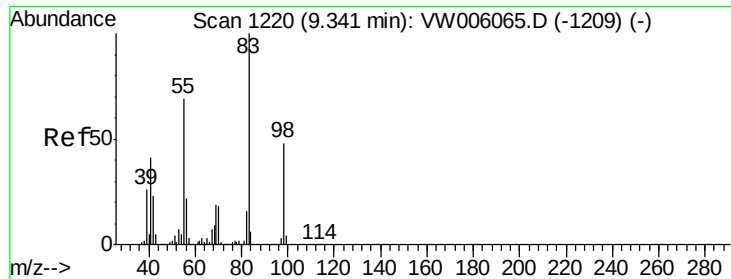
#35  
 Dibromofluoromethane  
 Concen: 50.170 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW006109.D  
 Acq: 17 Oct 2018 06:30

Tgt Ion:113 Resp: 141613  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 81.4 122.0  
 192 23.3 18.7 28.1



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

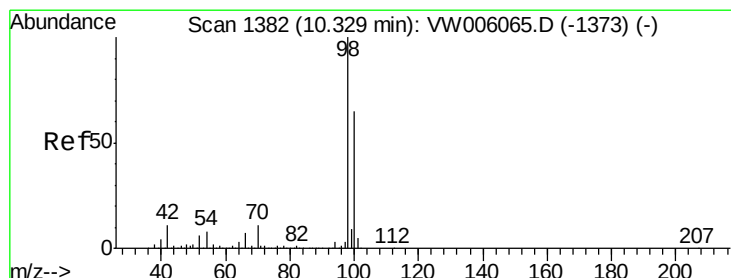
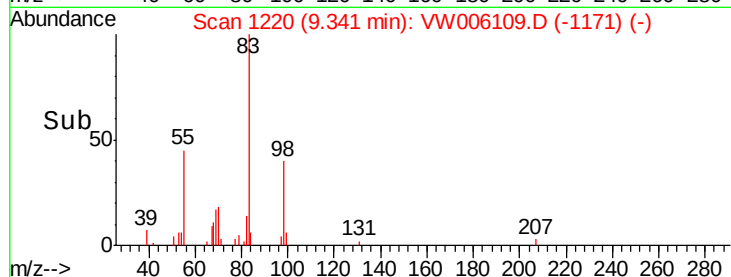
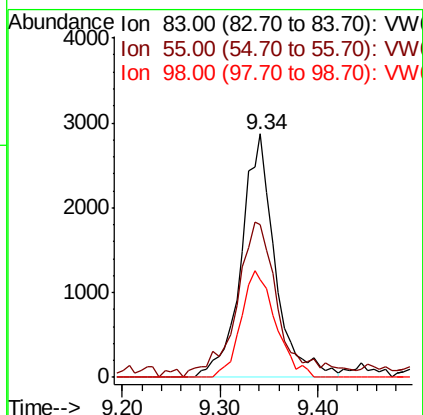
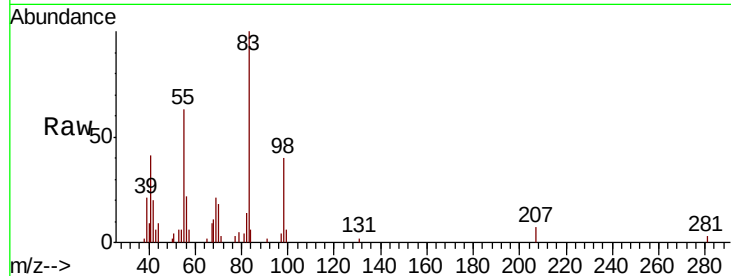




#39  
Methylcyclohexane  
Concen: 1.169 ug/l  
RT: 9.34 min Scan# 1220  
Delta R.T. -0.00 min  
Lab File: VW006109.D  
Acq: 17 Oct 2018 06:30

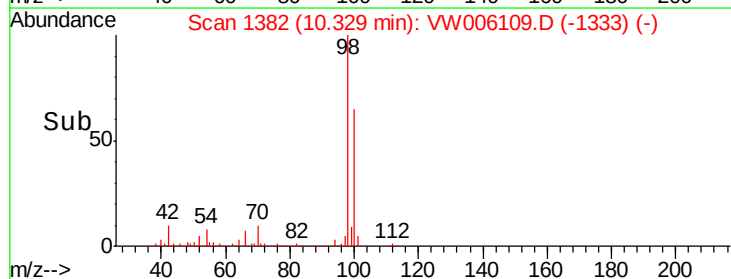
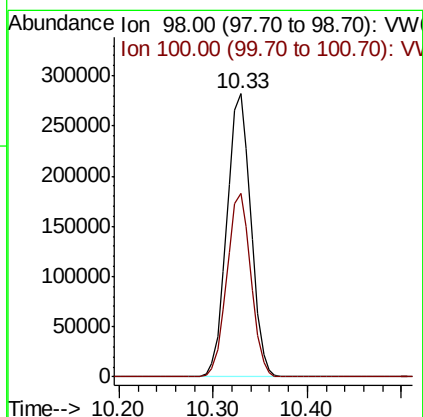
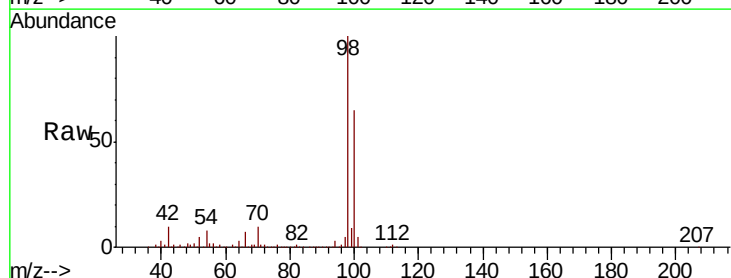
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB12-6-8FT

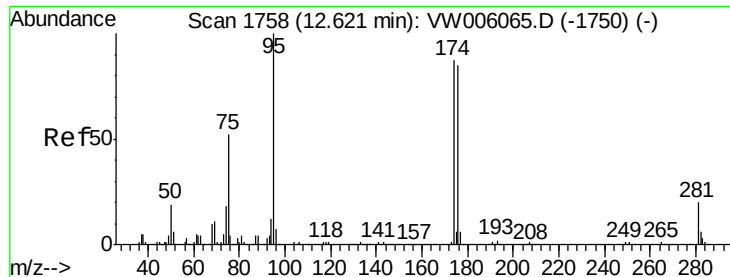
Tot Ion: 83 Resp: 6839  
Ion Ratio Lower Upper  
83 100  
55 59.9 55.0 82.6  
98 39.9 38.6 57.8



#50  
Toluene-d8  
Concen: 46.359 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VW006109.D  
Acq: 17 Oct 2018 06:30

Tgt Ion: 98 Resp: 497837  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.6 77.4

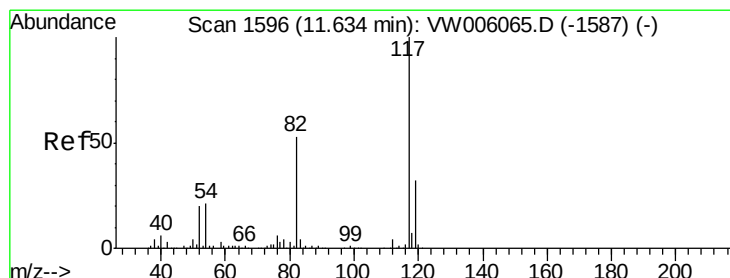
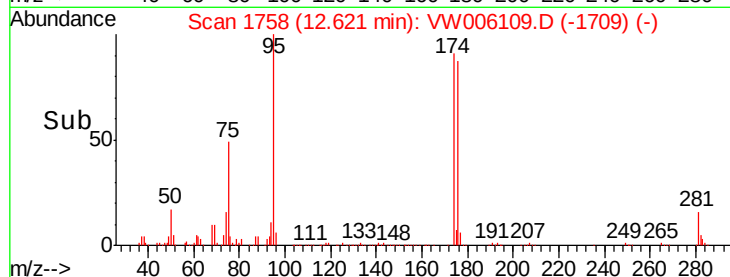
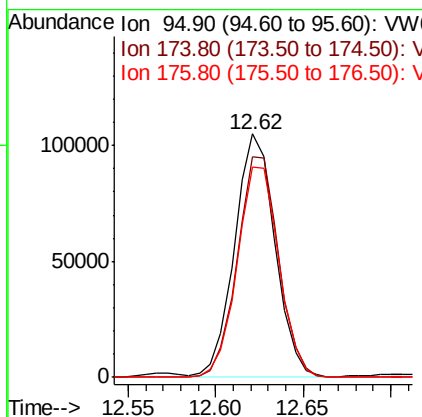
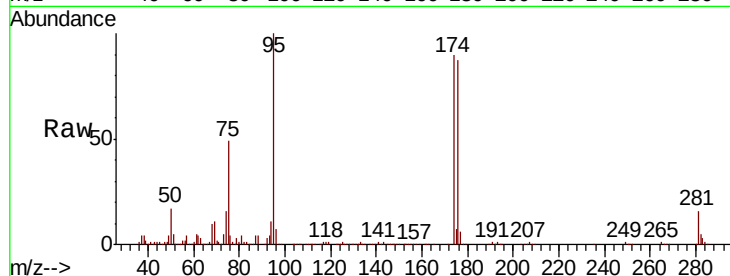




#62  
4-Bromofluorobenzene  
Concen: 41.339 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW006109.D  
Acq: 17 Oct 2018 06:30

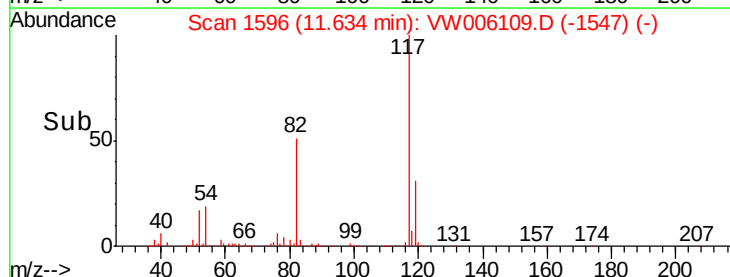
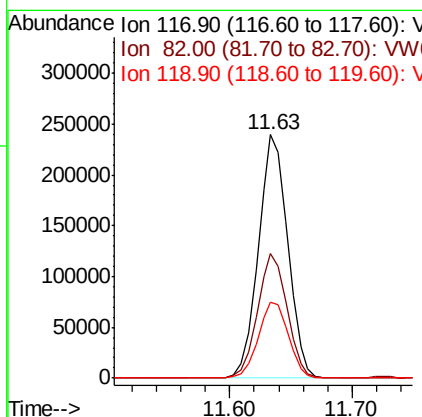
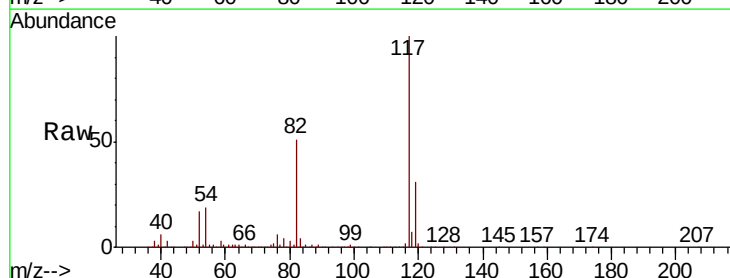
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB12-6-8FT

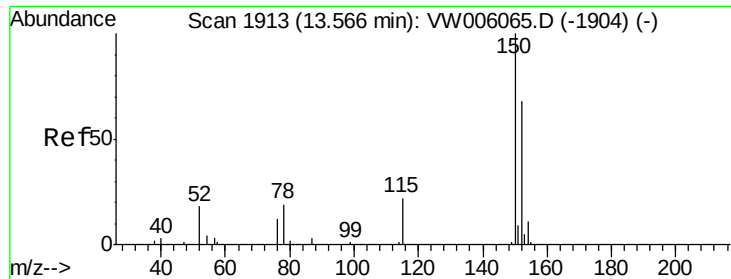
Tot Ion: 95 Resp: 166736  
Ion Ratio Lower Upper  
95 100  
174 93.6 0.0 186.0  
176 90.1 0.0 181.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006109.D  
Acq: 17 Oct 2018 06:30

Tgt Ion: 117 Resp: 400876  
Ion Ratio Lower Upper  
117 100  
82 51.3 42.1 63.1  
119 31.2 25.8 38.6

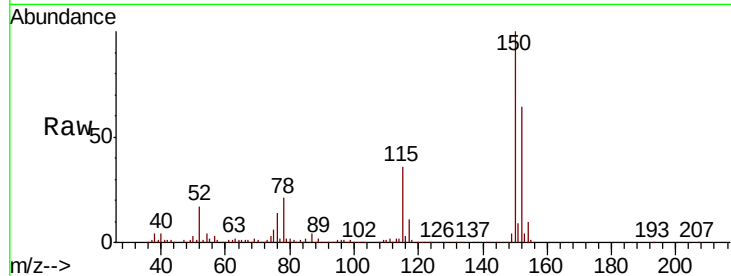




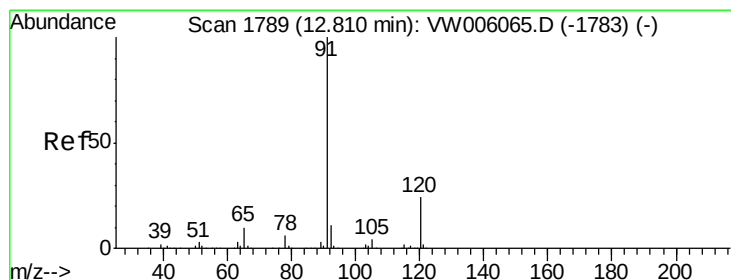
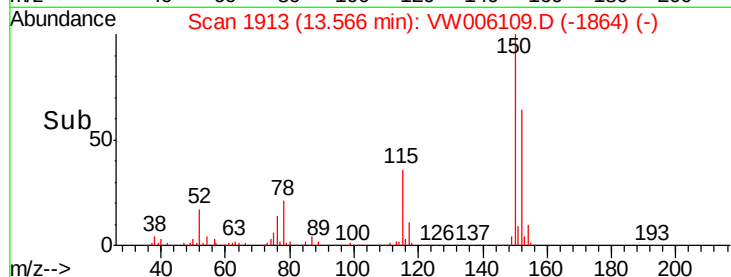
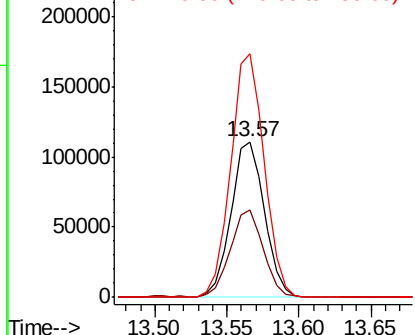
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.57 min Scan# 1913  
 Delta R.T. -0.00 min  
 Lab File: VW006109.D  
 Acq: 17 Oct 2018 06:30

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB12-6-8FT

Tot Ion:152 Resp: 178864  
 Ion Ratio Lower Upper  
 152 100  
 115 55.7 27.8 83.3  
 150 157.0 0.0 349.2

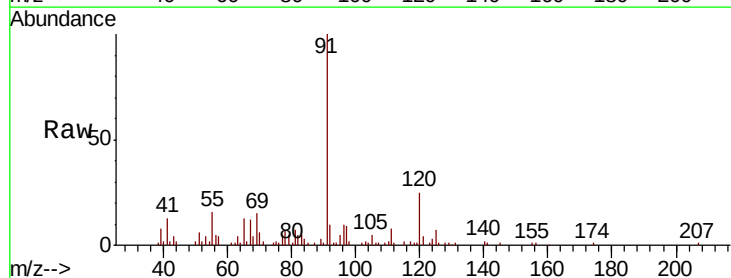


Abundance Ion 151.90 (151.60 to 152.60): V  
 Ion 114.90 (114.60 to 115.60): V  
 Ion 149.90 (149.60 to 150.60): V

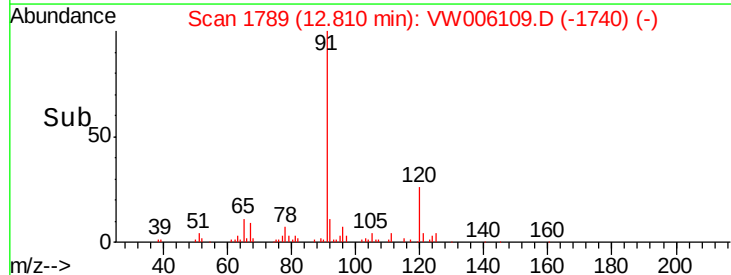
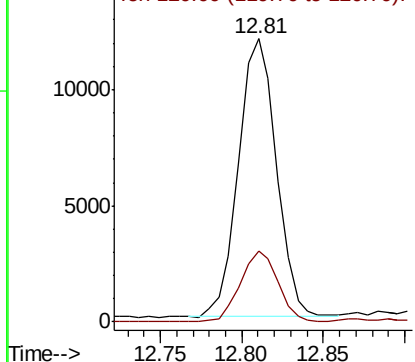


#78  
 n-propylbenzene  
 Concen: 1.314 ug/l  
 RT: 12.81 min Scan# 1789  
 Delta R.T. -0.00 min  
 Lab File: VW006109.D  
 Acq: 17 Oct 2018 06:30

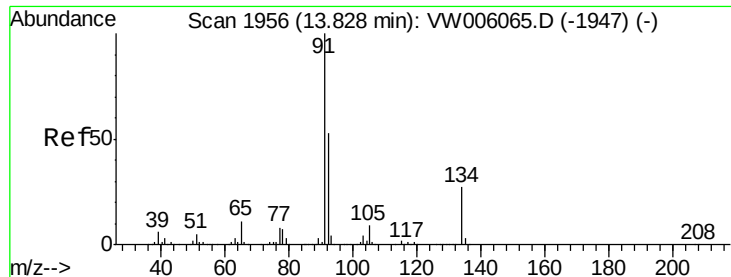
Tgt Ion: 91 Resp: 19323  
 Ion Ratio Lower Upper  
 91 100  
 120 25.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW  
 Ion 120.00 (119.70 to 120.70): V



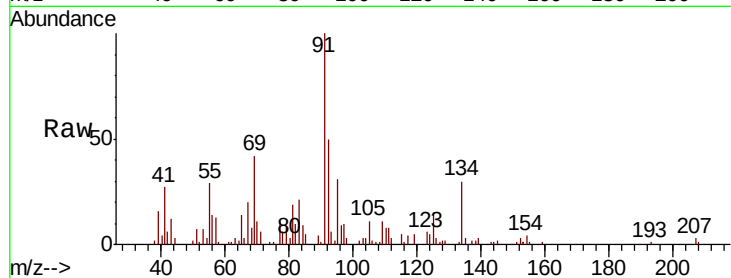




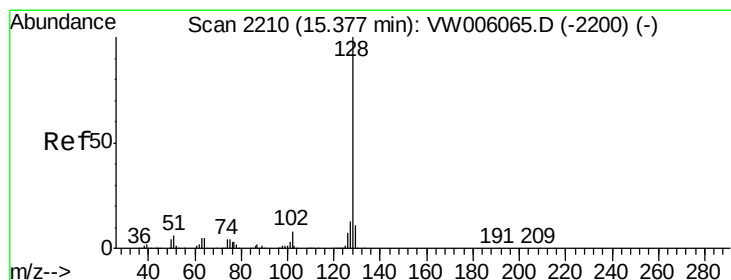
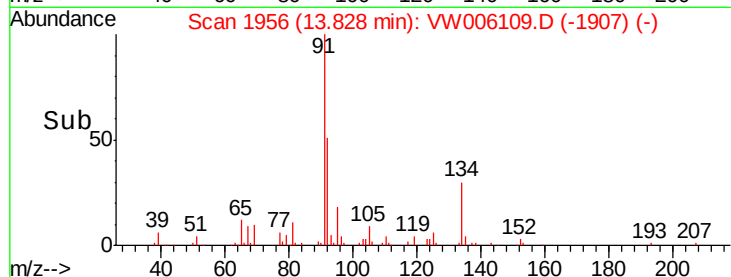
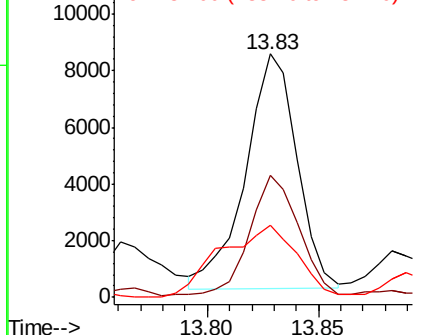
#89  
n-Butylbenzene  
Concen: 1.200 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: VW006109.D  
Acq: 17 Oct 2018 06:30

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB12-6-8FT

Tot Ion: 91 Resp: 13362  
Ion Ratio Lower Upper  
91 100  
92 50.5 26.6 79.7  
134 45.7 14.0 41.9#

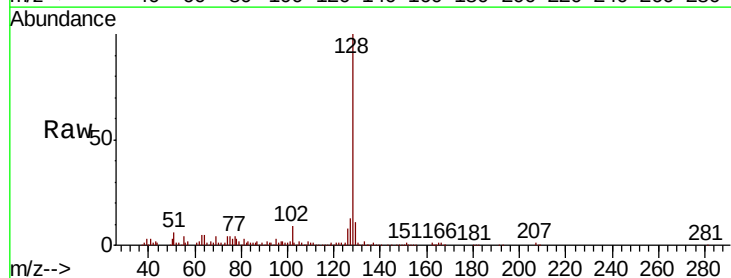


Abundance Ion 91.00 (90.70 to 91.70): VW  
Ion 92.00 (91.70 to 92.70): VW  
Ion 134.00 (133.70 to 134.70): V



#95  
Naphthalene  
Concen: 17.258 ug/l  
RT: 15.38 min Scan# 2210  
Delta R.T. -0.00 min  
Lab File: VW006109.D  
Acq: 17 Oct 2018 06:30

Tgt Ion:128 Resp: 121367  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.3 15.5  
129 10.8 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

