

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\  
 Data File : VW006503.D  
 Acq On : 30 Oct 2018 15:52  
 Operator : SY/AP  
 Sample : J5691-05  
 Misc : 6.08G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-9

Quant Time: Oct 30 17:26:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 18 17:01:24 2018  
 Response via : Initial Calibration

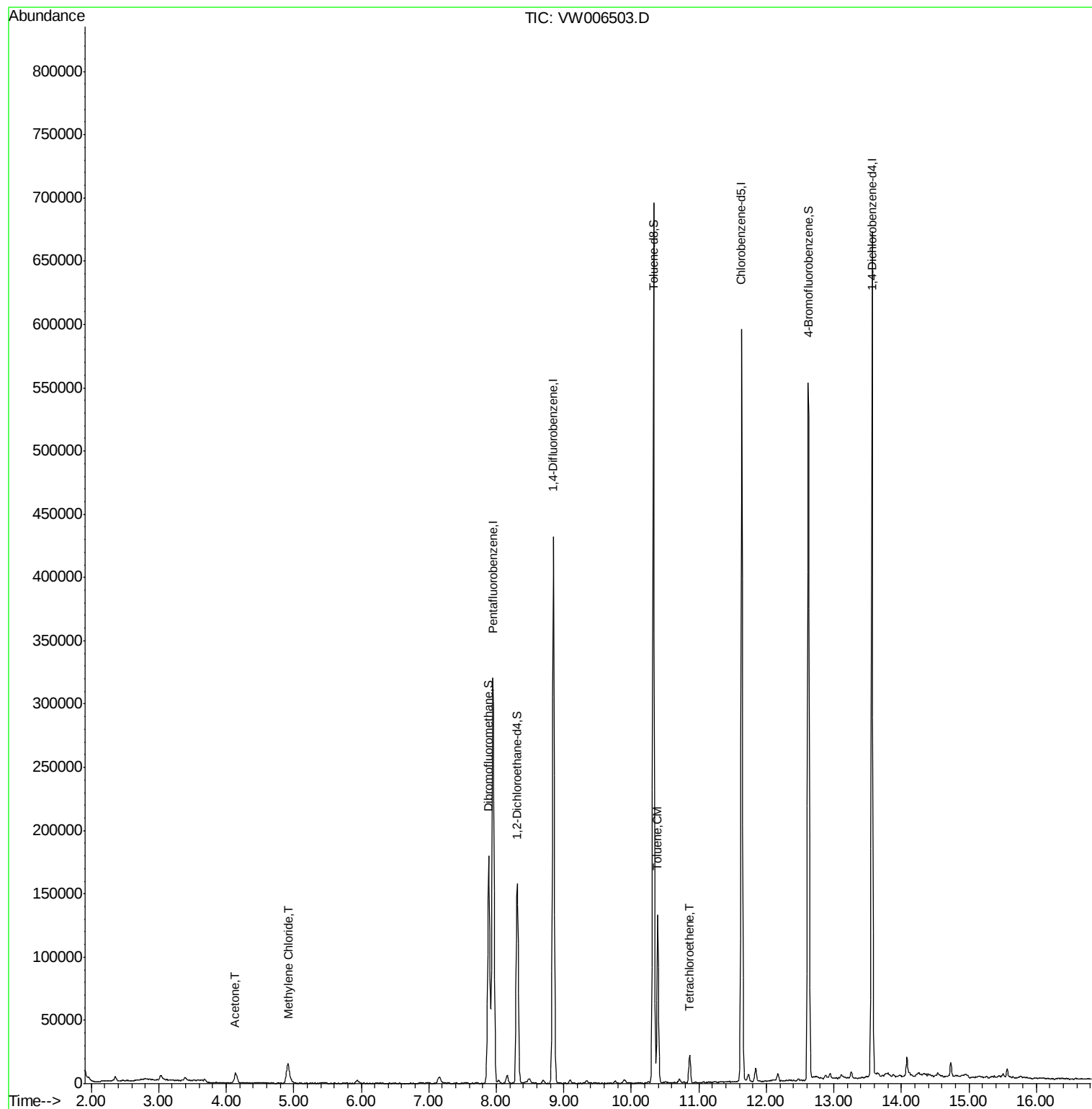
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 264280   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 382569   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 353489   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 184471   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 124107   | 56.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.28% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 125708   | 55.61  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.22% |          |
| 50) Toluene-d8              | 10.33 | 98   | 477339   | 55.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.00% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 168279   | 52.10  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.20% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.13  | 43   | 15395    | 24.074 | ug/l    | 93       |
| 20) Methylene Chloride      | 4.92  | 84   | 12940    | 4.087  | ug/l    | 89       |
| 52) Toluene                 | 10.39 | 92   | 57737    | 8.903  | ug/l    | 100      |
| 64) Tetrachloroethene       | 10.87 | 164  | 5369     | 1.957  | ug/l    | 96       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW103118\  
Data File : VW006503.D  
Acq On : 30 Oct 2018 15:52  
Operator : SY/AP  
Sample : J5691-05  
Misc : 6.08G/5ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-9

Quant Time: Oct 30 17:26:45 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 18 17:01:24 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: VW006503.D

Acq: 30 Oct 2018 15:52

Instrument :

MSVOA\_W

ClientSampleId :

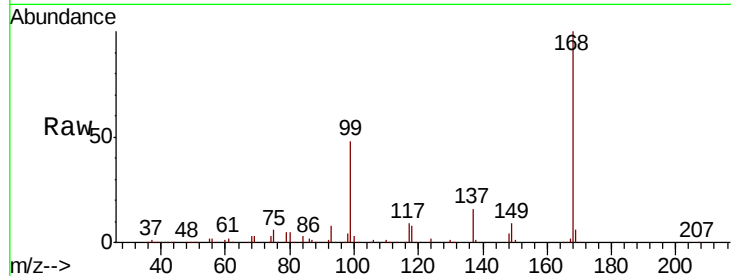
SB-9

Tot Ion:168 Resp: 264280

Ion Ratio Lower Upper

168 100

99 48.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

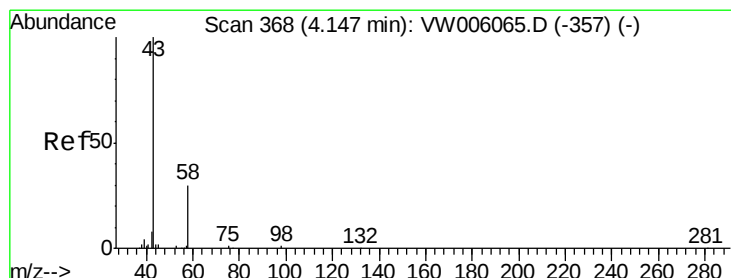
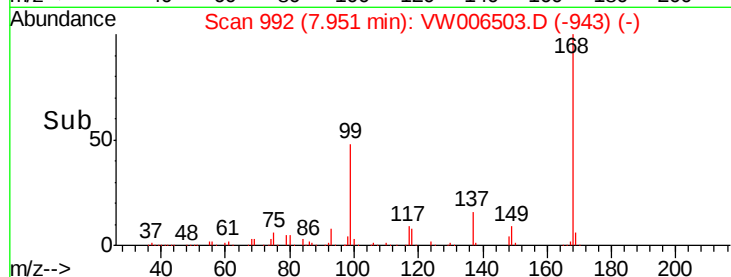
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 24.074 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006503.D

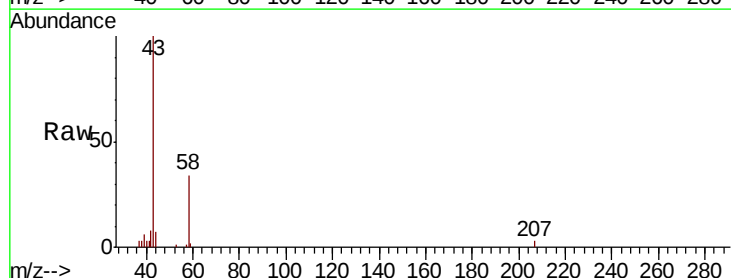
Acq: 30 Oct 2018 15:52

Tgt Ion: 43 Resp: 15395

Ion Ratio Lower Upper

43 100

58 34.0 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

6000

5000

4000

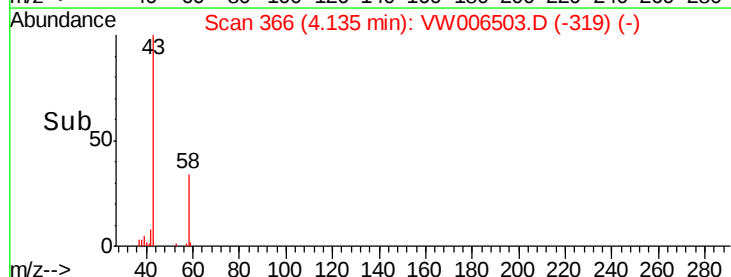
3000

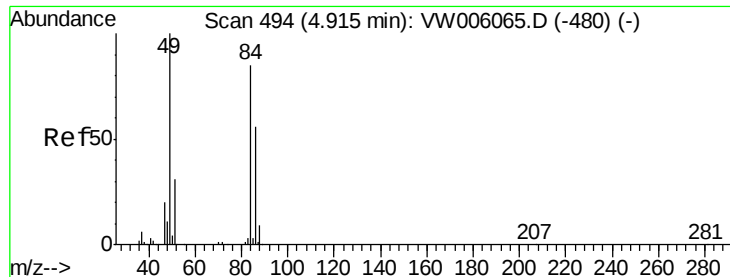
2000

1000

0

Time--> 4.00 4.10 4.20

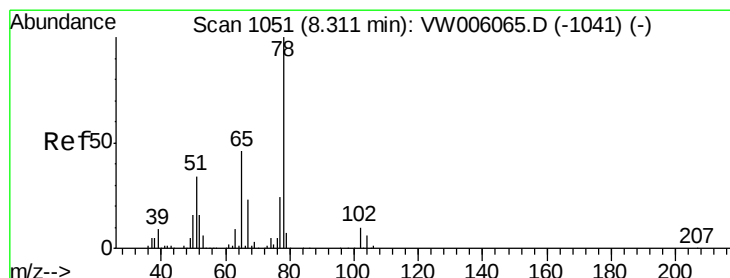
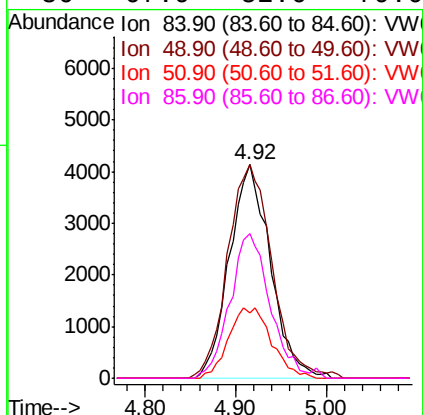
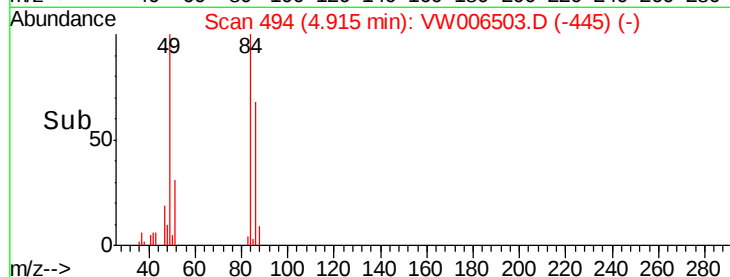
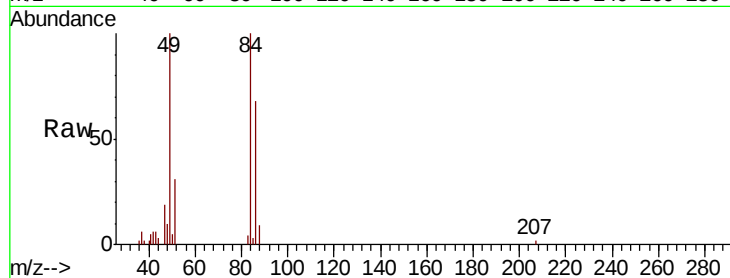




#20  
Methylene Chloride  
Concen: 4.087 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW006503.D  
Acq: 30 Oct 2018 15:52

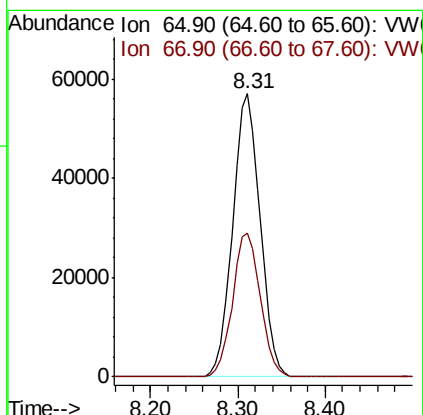
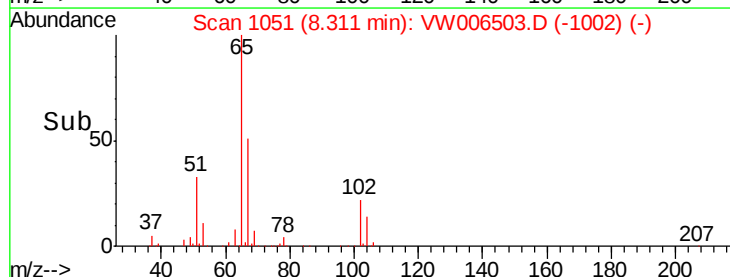
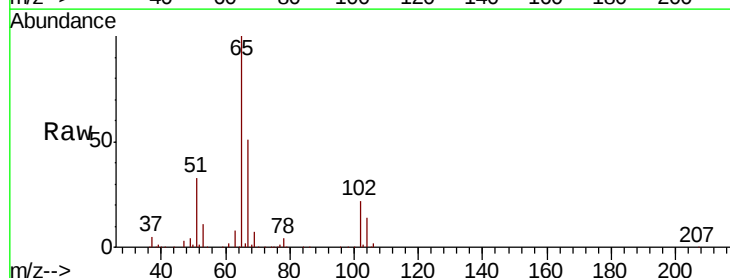
Instrument :  
MSVOA\_W  
ClientSampled :  
SB-9

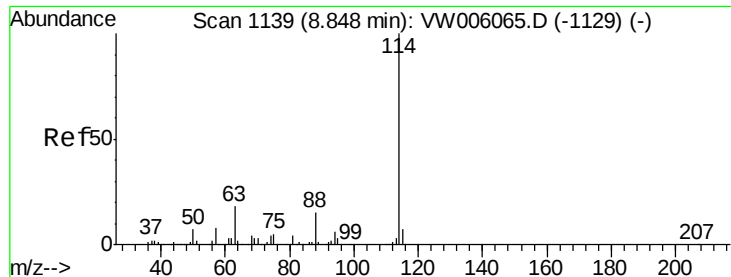
Tot Ion: 84 Resp: 12940  
Ion Ratio Lower Upper  
84 100  
49 100.1 93.6 140.4  
51 30.7 29.0 43.4  
86 67.9 52.6 79.0



#33  
1,2-Dichloroethane-d4  
Concen: 56.643 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW006503.D  
Acq: 30 Oct 2018 15:52

Tgt Ion: 65 Resp: 124107  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 101.0

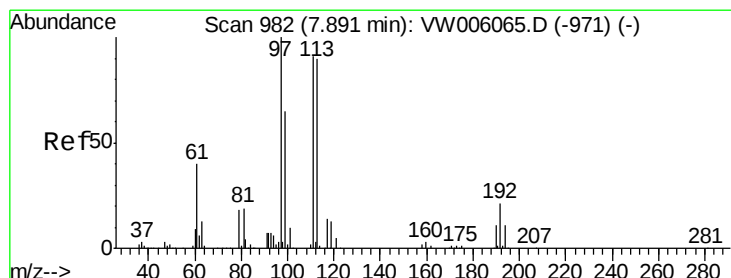
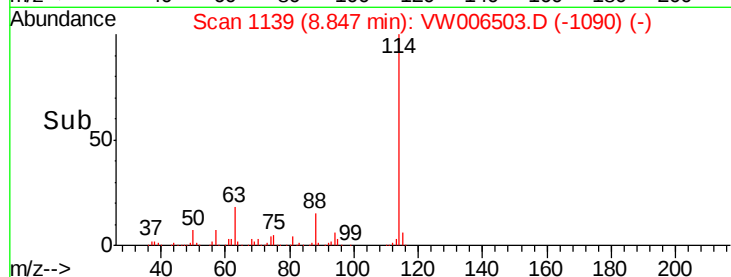
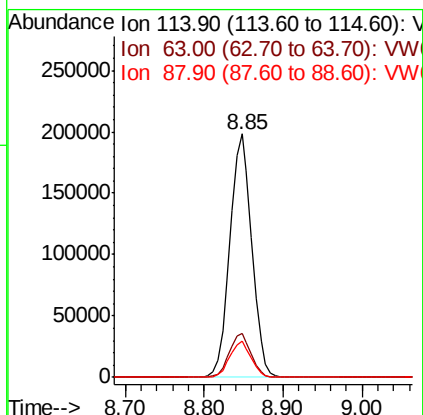
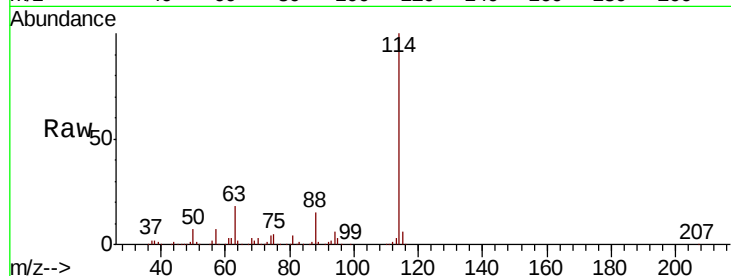




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW006503.D  
 Acq: 30 Oct 2018 15:52

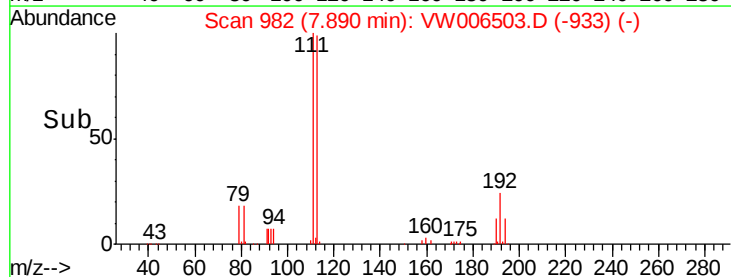
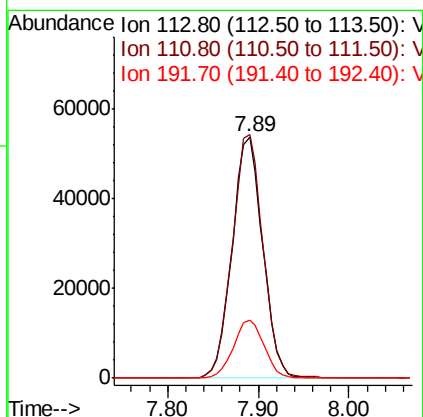
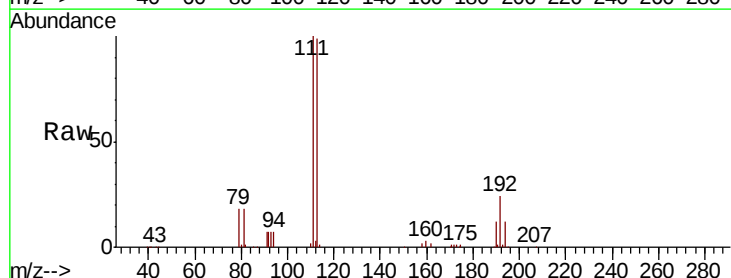
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-9

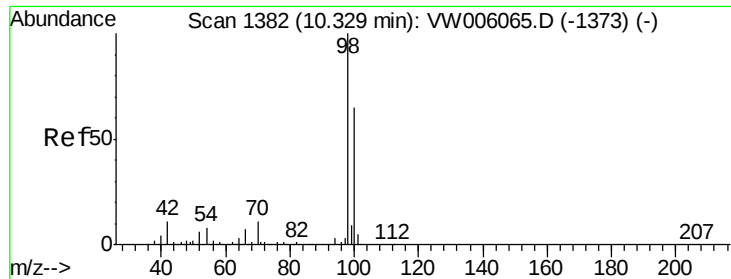
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.9  | 0.0   | 36.8  |
| 88      | 14.9  | 0.0   | 29.0  |



#35  
 Dibromofluoromethane  
 Concen: 55.609 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW006503.D  
 Acq: 30 Oct 2018 15:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.2 | 81.4  | 122.0 |
| 192     | 23.9  | 18.7  | 28.1  |

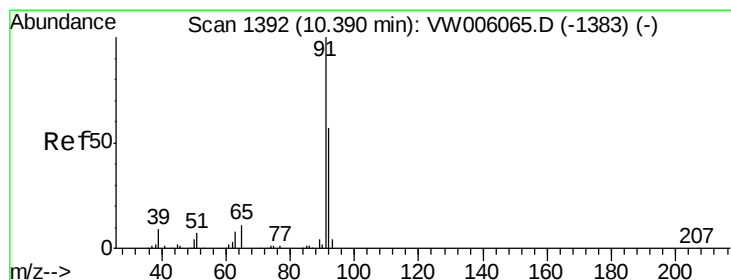
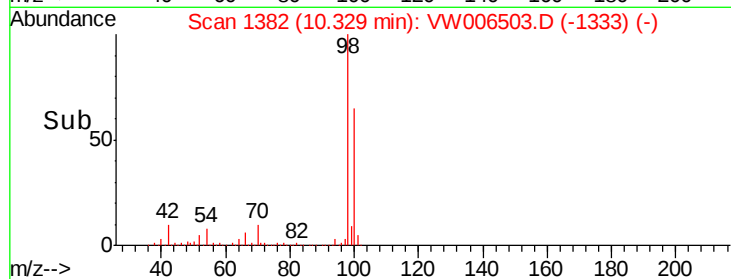
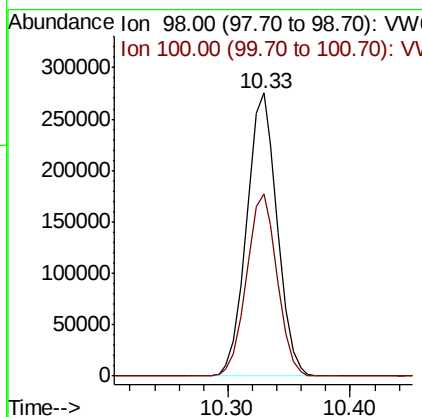
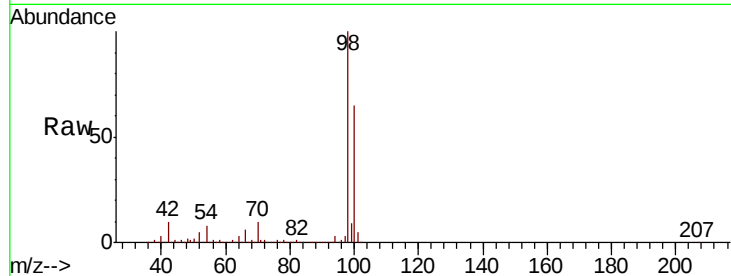




#50  
Toluene-d8  
Concen: 55.502 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VW006503.D  
Acq: 30 Oct 2018 15:52

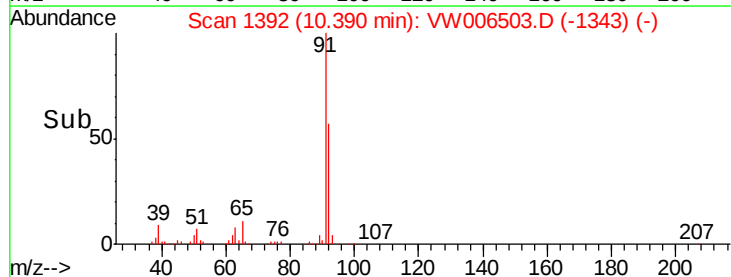
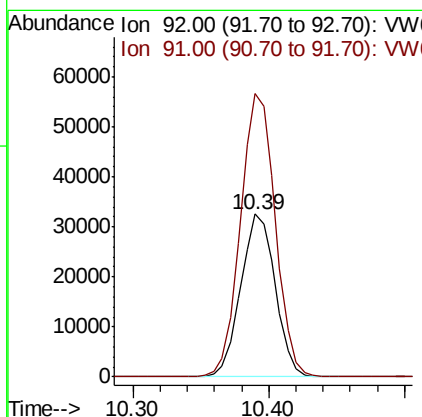
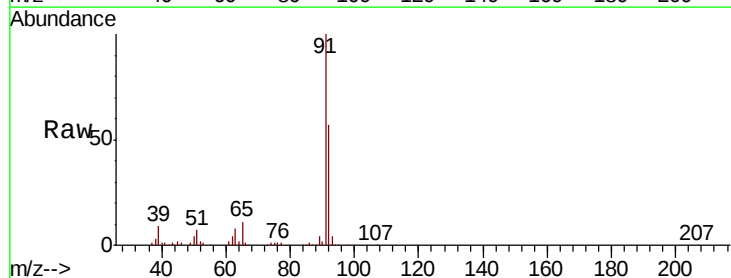
Instrument :  
MSVOA\_W  
ClientSampled :  
SB-9

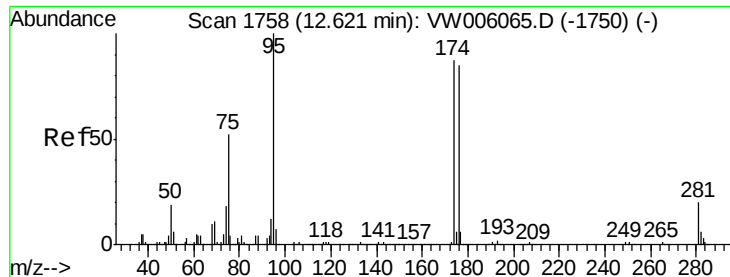
Tot Ion: 98 Resp: 477339  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.6 77.4



#52  
Toluene  
Concen: 8.903 ug/l  
RT: 10.39 min Scan# 1392  
Delta R.T. -0.00 min  
Lab File: VW006503.D  
Acq: 30 Oct 2018 15:52

Tgt Ion: 92 Resp: 57737  
Ion Ratio Lower Upper  
92 100  
91 174.4 140.0 210.0

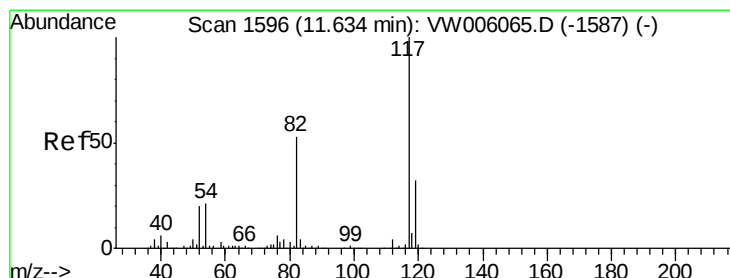
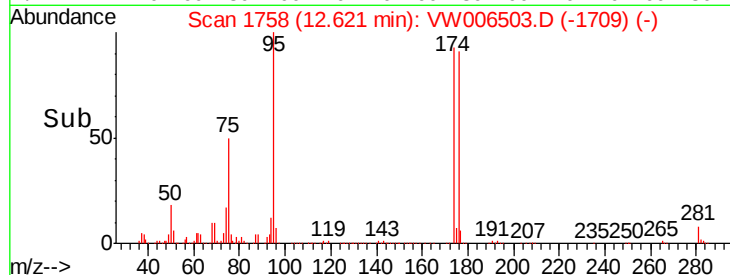
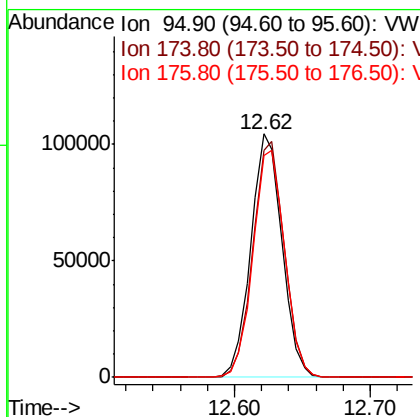
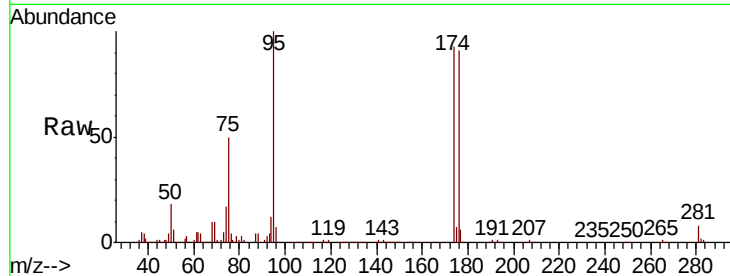




#62  
4-Bromofluorobenzene  
Concen: 52.095 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW006503.D  
Acq: 30 Oct 2018 15:52

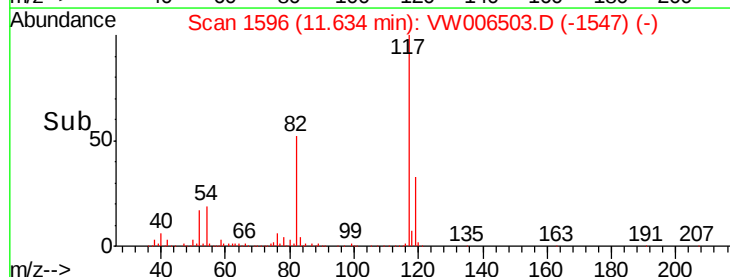
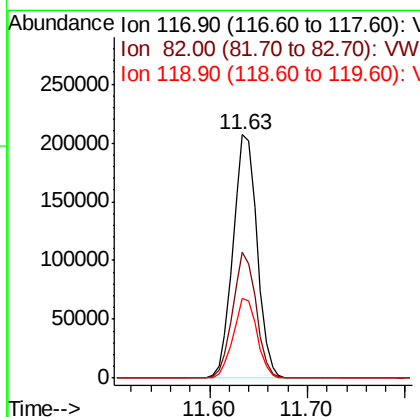
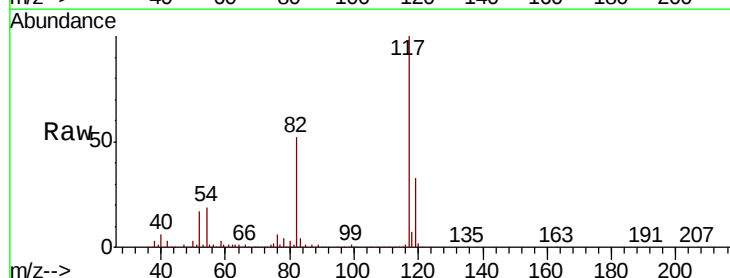
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-9

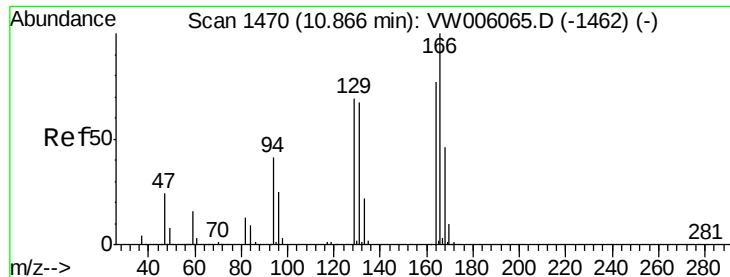
Tot Ion: 95 Resp: 168279  
Ion Ratio Lower Upper  
95 100  
174 97.5 0.0 186.0  
176 94.8 0.0 181.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006503.D  
Acq: 30 Oct 2018 15:52

Tgt Ion: 117 Resp: 353489  
Ion Ratio Lower Upper  
117 100  
82 51.6 42.1 63.1  
119 32.7 25.8 38.6





#64

Tetrachloroethene

Concen: 1.957 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW006503.D

Acq: 30 Oct 2018 15:52

Instrument :

MSVOA\_W

ClientSampleId :

SB-9

Tot Ion:164 Resp: 5369

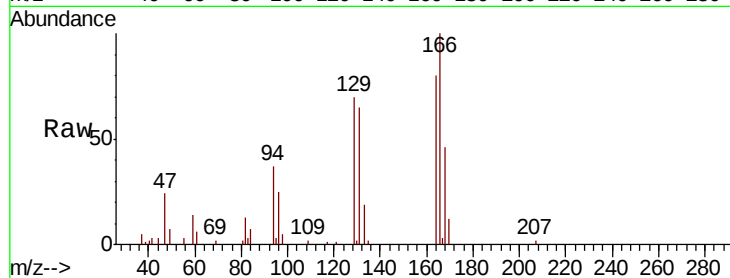
Ion Ratio Lower Upper

164 100

166 125.3 103.4 155.0

129 87.9 71.8 107.8

131 82.0 69.5 104.3

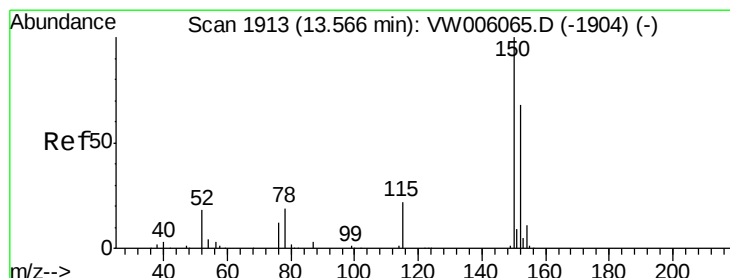
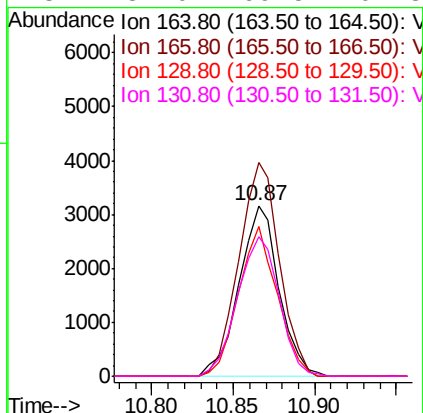
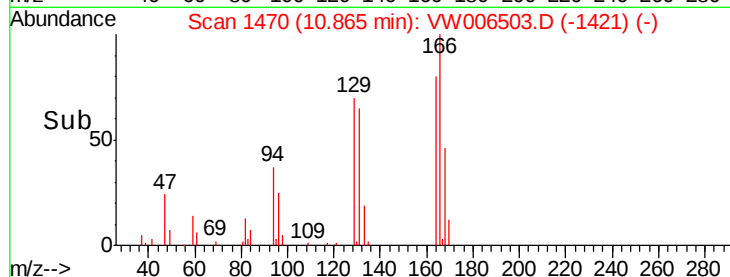


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006503.D

Acq: 30 Oct 2018 15:52

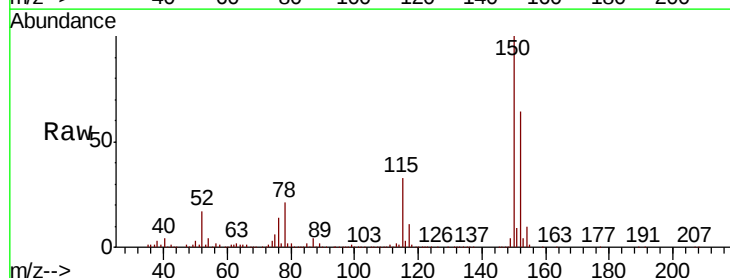
Tgt Ion:152 Resp: 184471

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.3

150 157.7 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

