

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110618\  
 Data File : VW006720.D  
 Acq On : 07 Nov 2018 07:38  
 Operator : SY/AP  
 Sample : J5826-03  
 Misc : 5.52G/5ML/MSVOA W/SOIL  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-1

Quant Time: Nov 07 12:46:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 01 03:48:08 2018  
 Response via : Initial Calibration

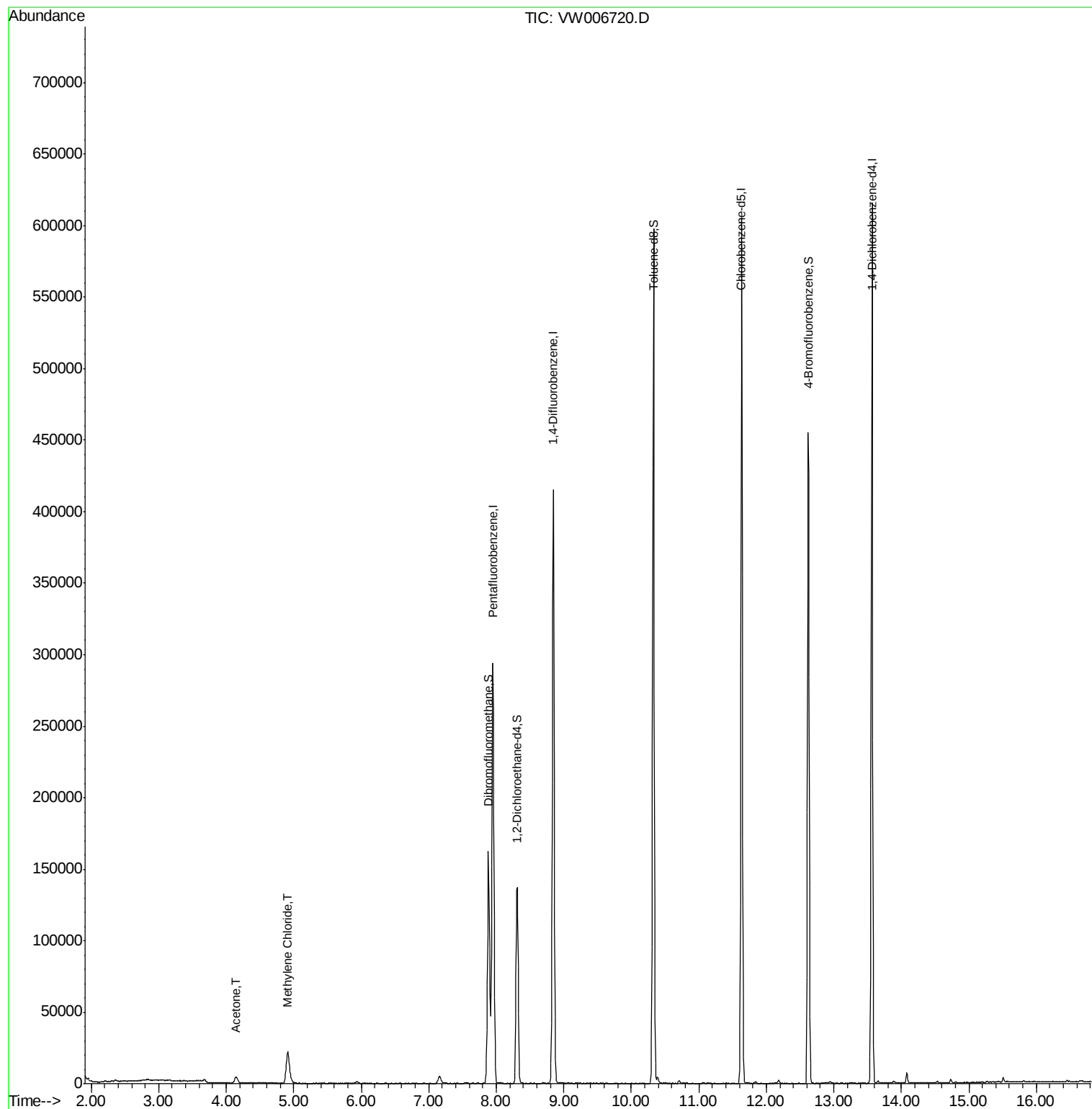
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 242723   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 379148   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 354151   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 177297   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 109845   | 52.65  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.30% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 113709   | 47.79  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.58%  |          |
| 50) Toluene-d8              | 10.33 | 98   | 419845   | 46.35  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.70%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 140054   | 42.65  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.30%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.15  | 43   | 9151     | 27.166 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.92  | 84   | 20251    | 3.751  | ug/l    | 90       |

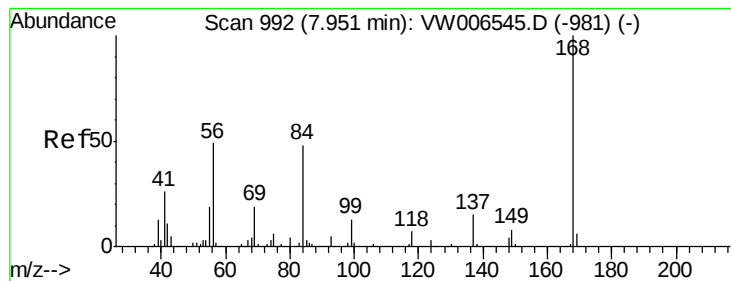
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006720.D

Acq: 07 Nov 2018 07:38

Instrument :

MSVOA\_W

ClientSampled :

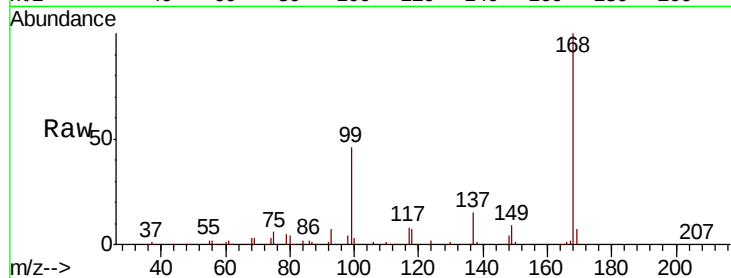
SB-1

Tot Ion:168 Resp: 242723

Ion Ratio Lower Upper

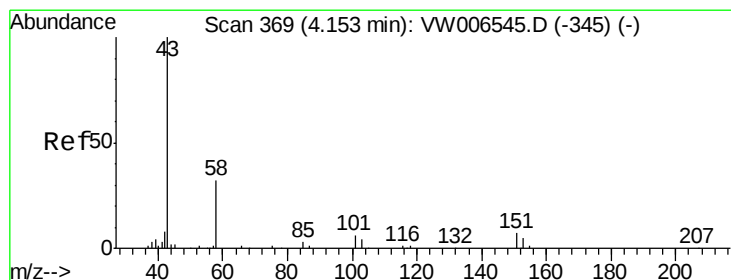
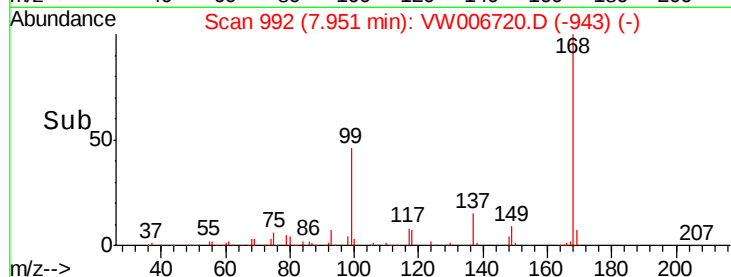
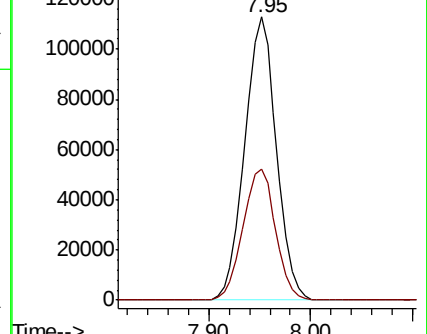
168 100

99 46.4 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 27.166 ug/l

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

Lab File: VW006720.D

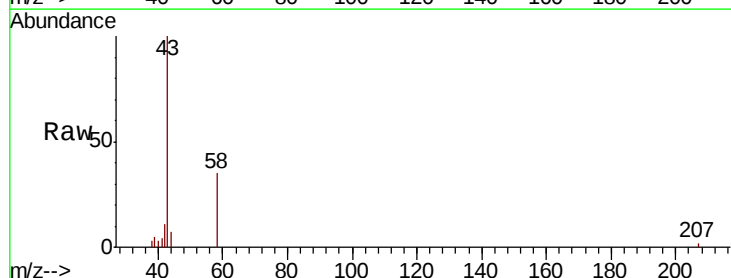
Acq: 07 Nov 2018 07:38

Tgt Ion: 43 Resp: 9151

Ion Ratio Lower Upper

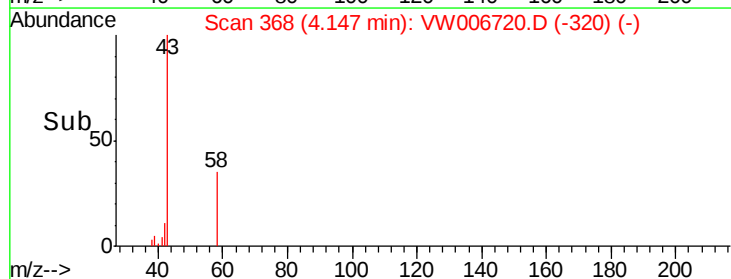
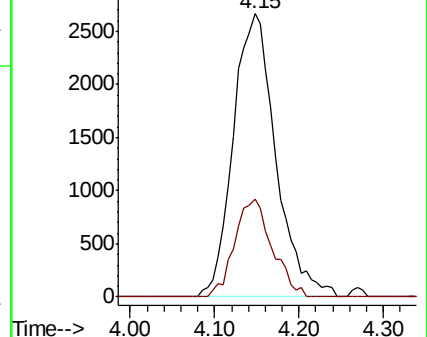
43 100

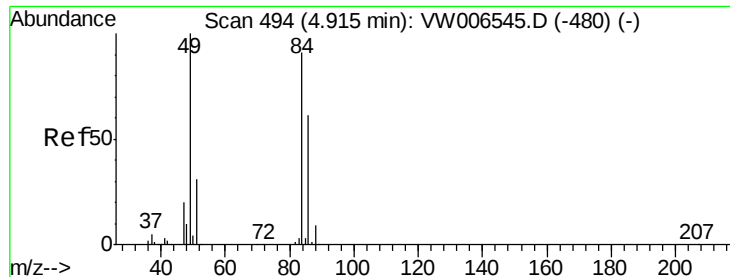
58 34.5 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

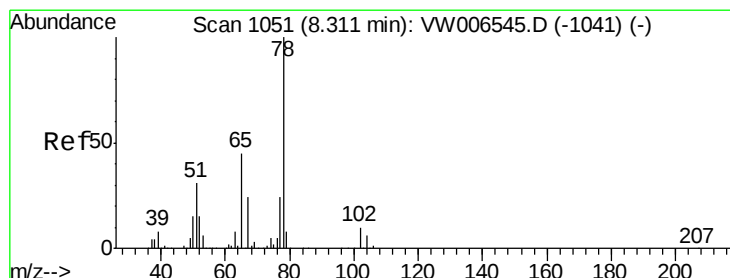
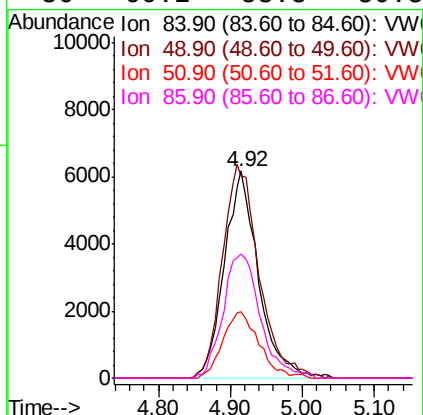
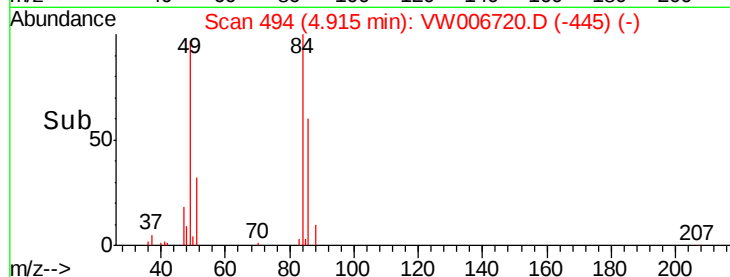
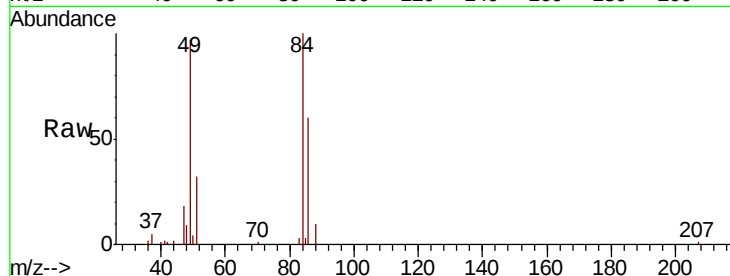




#20  
Methvlene Chloride  
Concen: 3.751 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW006720.D  
Acq: 07 Nov 2018 07:38

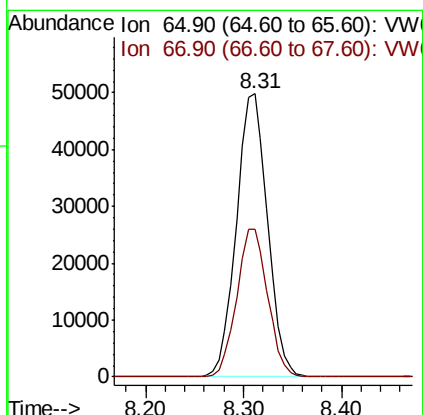
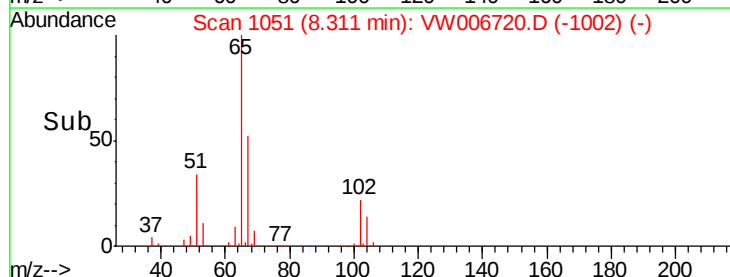
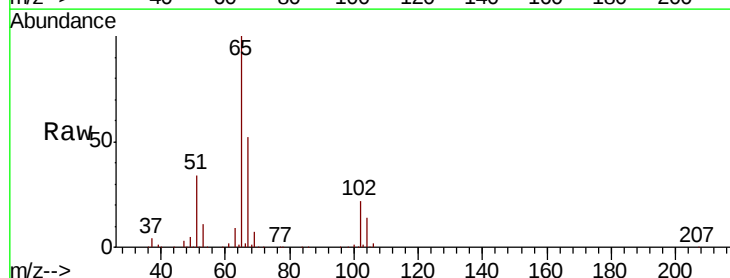
Instrument :  
MSVOA\_W  
ClientSampled :  
SB-1

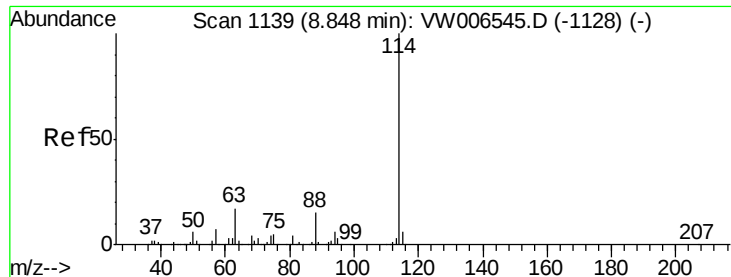
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 20251 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 97.5  | 88.2  | 132.4 |
| 51       | 32.2  | 27.0  | 40.6  |
| 86       | 60.2  | 53.8  | 80.8  |



#33  
1,2-Dichloroethane-d4  
Concen: 52.647 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW006720.D  
Acq: 07 Nov 2018 07:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 109845 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.9  | 0.0   | 104.4  |

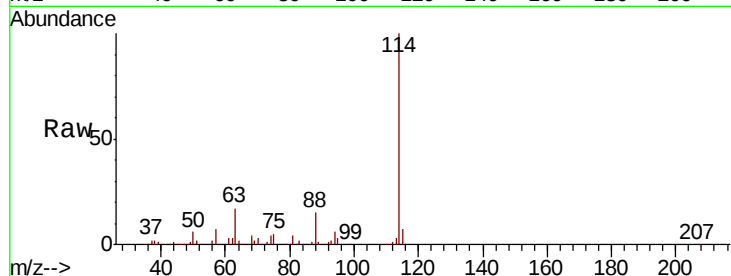




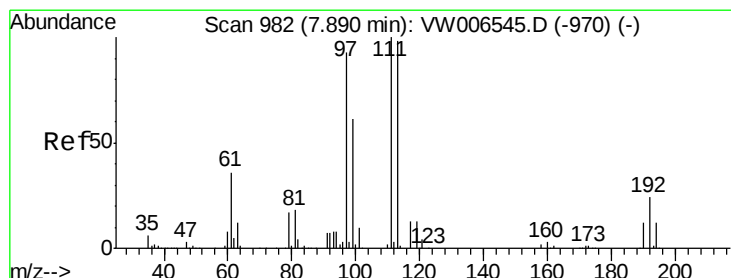
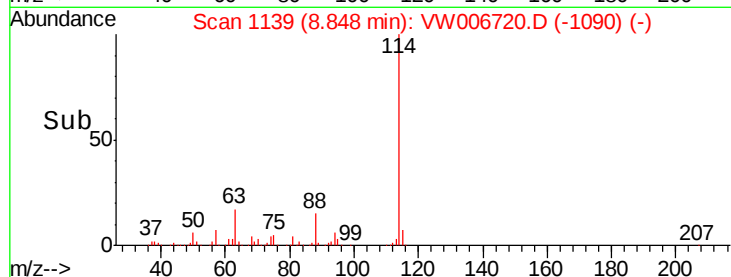
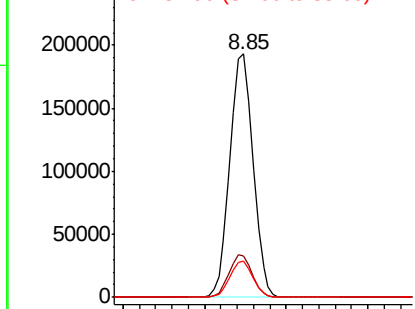
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW006720.D  
 Acq: 07 Nov 2018 07:38

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 SB-1

Tot Ion:114 Resp: 379148  
 Ion Ratio Lower Upper  
 114 100  
 63 17.2 0.0 34.4  
 88 14.7 0.0 29.0

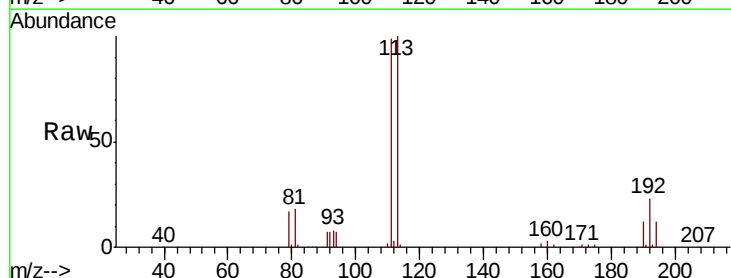


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

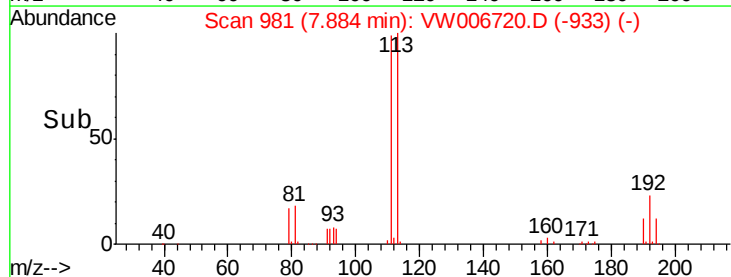
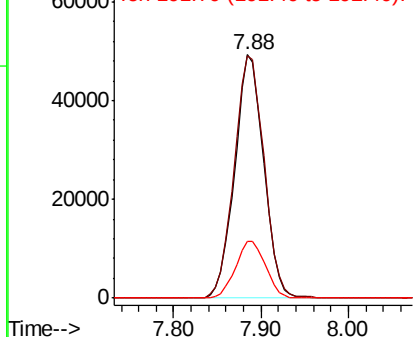


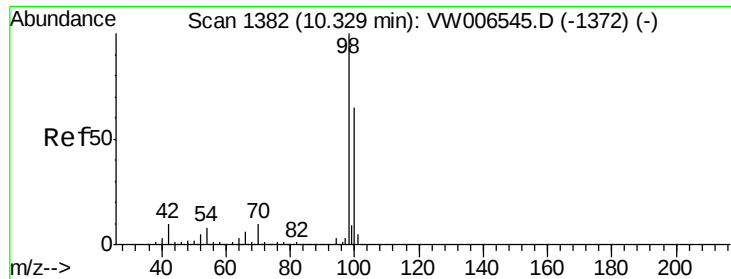
#35  
 Dibromofluoromethane  
 Concen: 47.788 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW006720.D  
 Acq: 07 Nov 2018 07:38

Tgt Ion:113 Resp: 113709  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.2 123.2  
 192 24.0 19.0 28.6



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

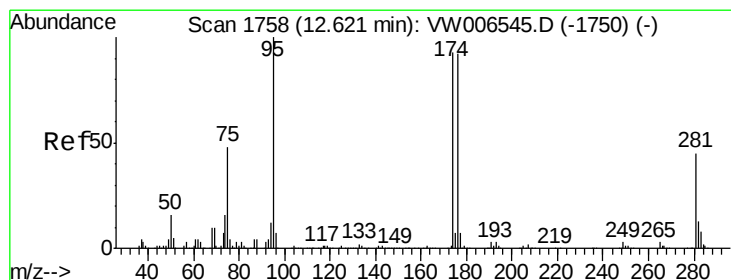
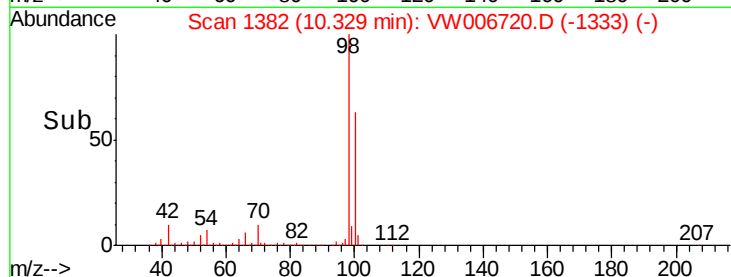
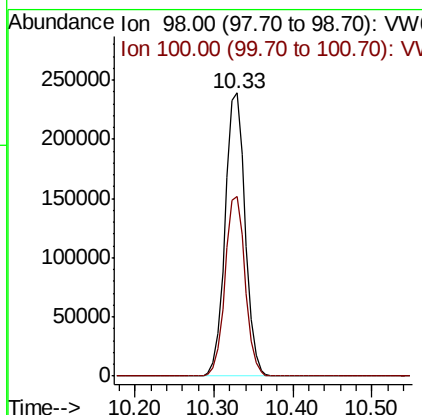
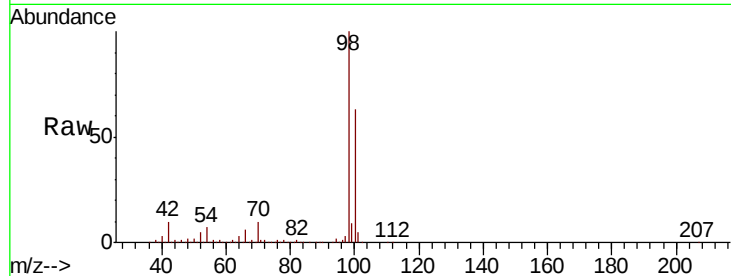




#50  
Toluene-d8  
Concen: 46.350 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VW006720.D  
Acq: 07 Nov 2018 07:38

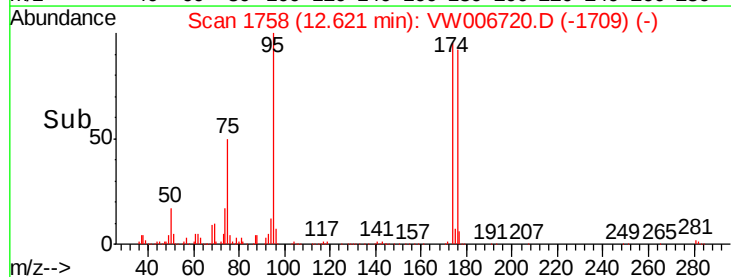
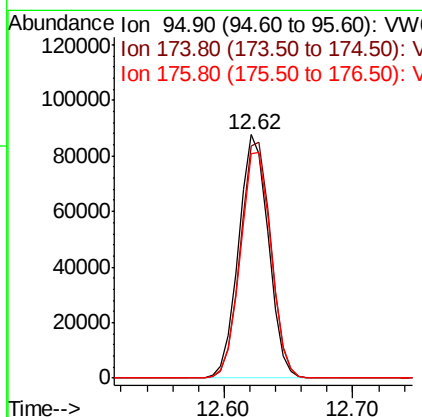
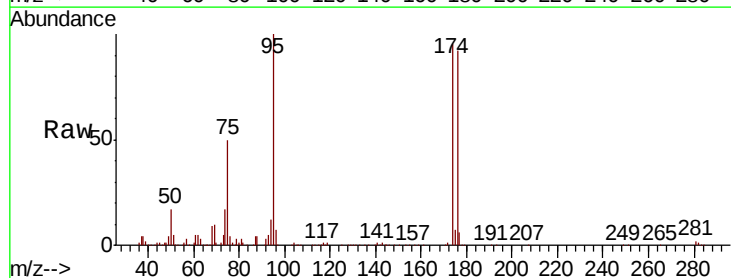
Instrument :  
MSVOA\_W  
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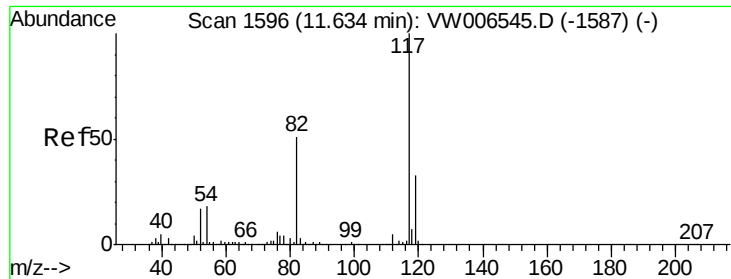
Tot Ion: 98 Resp: 419845  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 42.648 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW006720.D  
Acq: 07 Nov 2018 07:38

Tgt Ion: 95 Resp: 140054  
Ion Ratio Lower Upper  
95 100  
174 99.2 0.0 192.4  
176 95.5 0.0 187.4

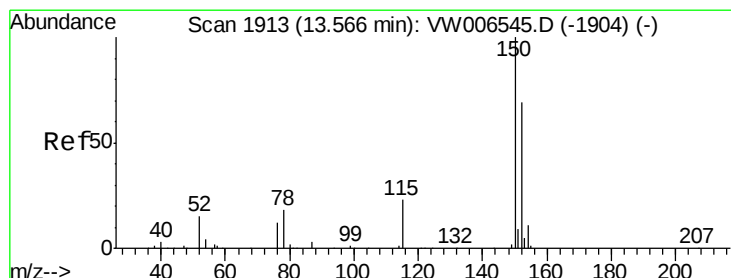
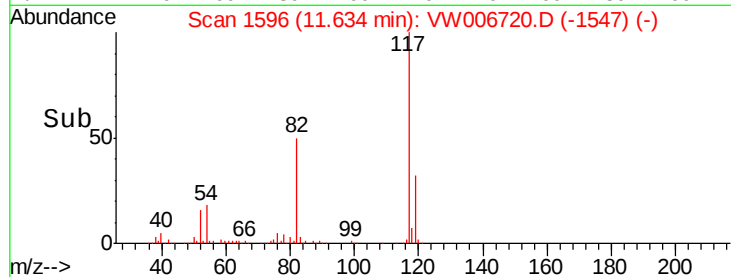
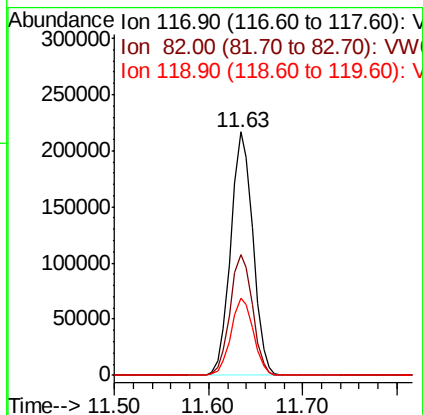
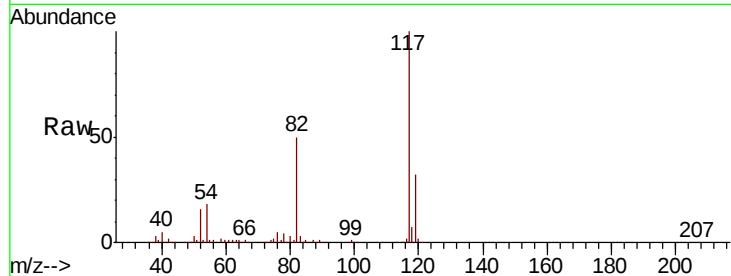




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006720.D  
Acq: 07 Nov 2018 07:38

Instrument :  
MSVOA\_W  
ClientSampled :  
SB-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 49.7  | 40.8  | 61.2  |
| 119     | 31.8  | 26.1  | 39.1  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW006720.D  
Acq: 07 Nov 2018 07:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.3  | 26.6  | 79.8  |
| 150     | 156.3 | 0.0   | 344.6 |

