

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\  
 Data File : VW007031.D  
 Acq On : 22 Nov 2018 06:43  
 Operator : VAY/AP  
 Sample : J6014-01  
 Misc : 6.38G/5ML/MSVOA W/SOIL  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TS-BUCKETS

Quant Time: Nov 22 23:54:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 21 03:23:02 2018  
 Response via : Initial Calibration

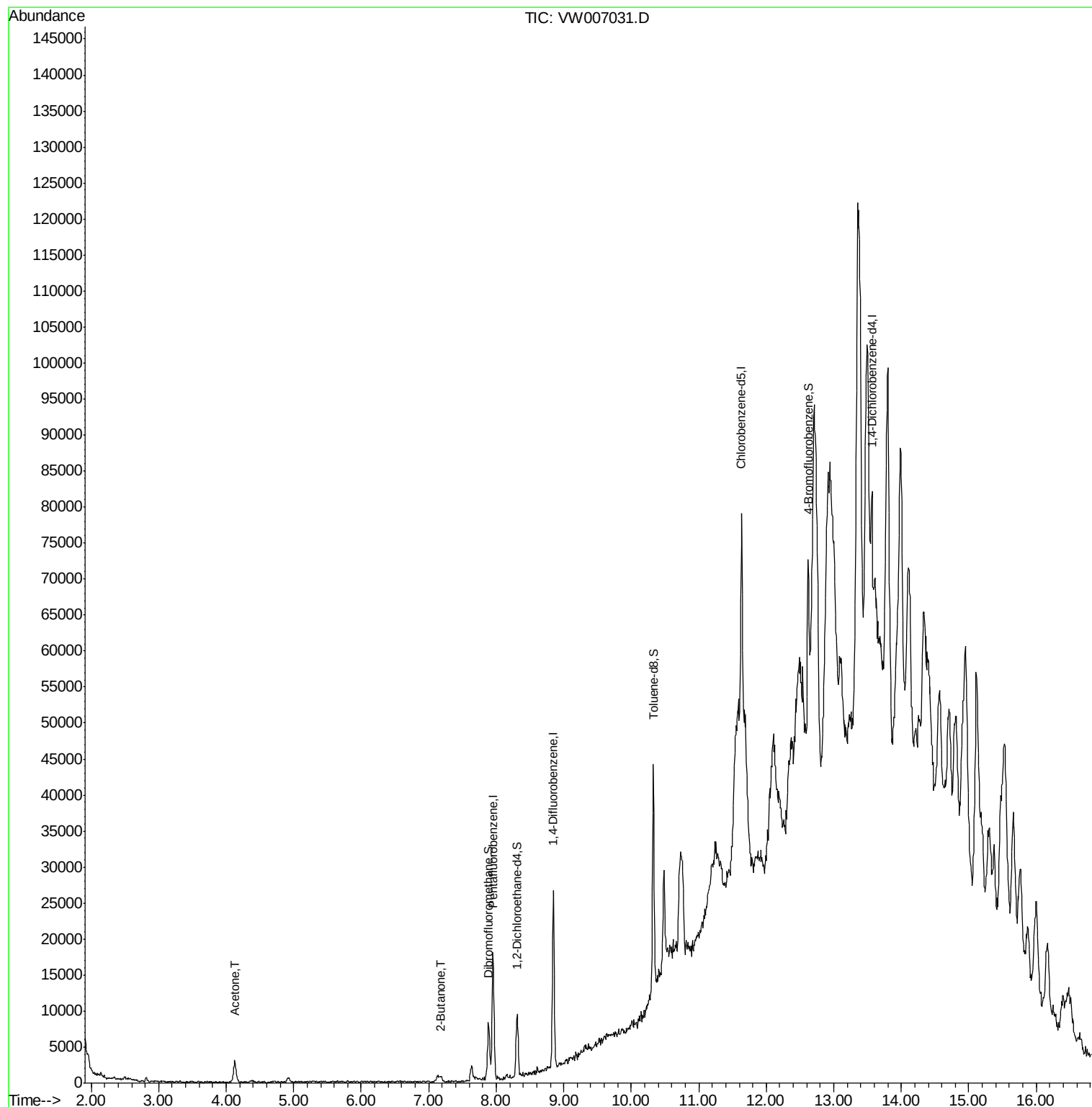
| Internal Standards          | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 12558    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85   | 114  | 20579    | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63  | 117  | 16146    | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57  | 152  | 4296     | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65   | 6522     | 53.05   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 106.10% |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 5987     | 51.52   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 103.04% |          |
| 50) Toluene-d8              | 10.33  | 98   | 22783    | 44.39   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 88.78%  |          |
| 62) 4-Bromofluorobenzene    | 12.62  | 95   | 8269     | 40.95   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 81.90%  |          |
| Target Compounds            |        |      |          |         |         |          |
| 16) Acetone                 | 4.13   | 43   | 5304     | 297.138 | ug/l    | 94       |
| 25) 2-Butanone              | 7.18   | 43   | 1379     | 45.106  | ug/l    | 90       |

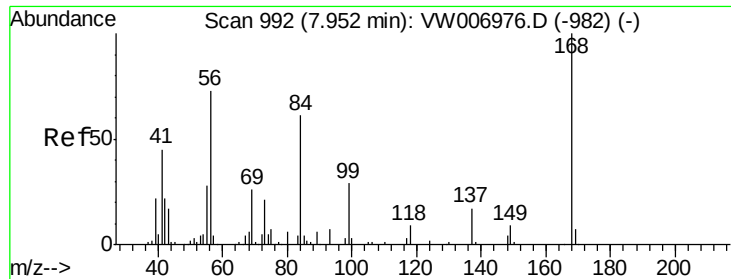
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 21 03:23:02 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

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Instrument :

MSVOA\_W

ClientSampleId :

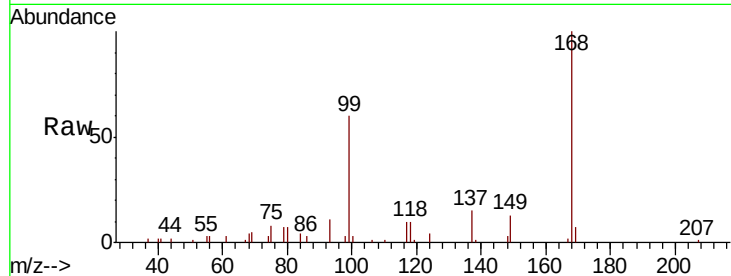
TS-BUCKETS

Tot Ion:168 Resp: 12558

Ion Ratio Lower Upper

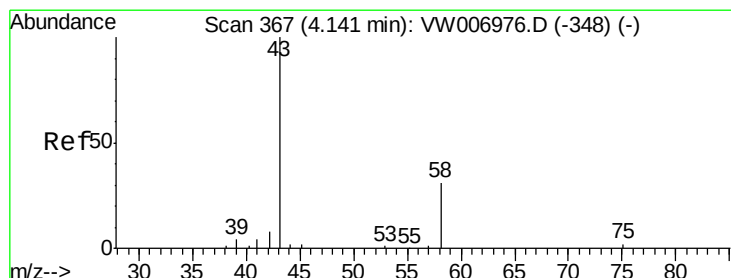
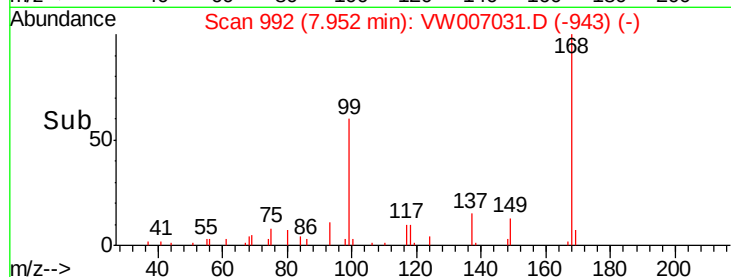
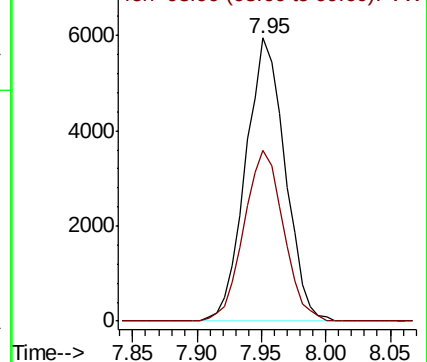
168 100

99 60.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 297.138 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW007031.D

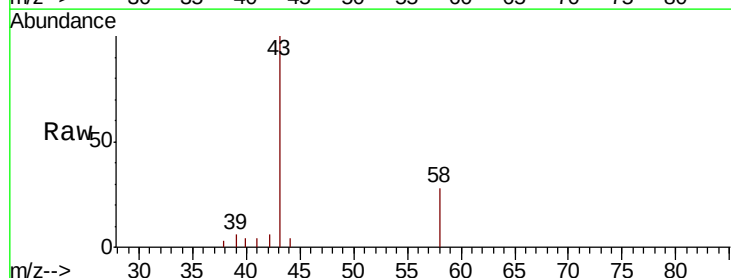
Acq: 22 Nov 2018 06:43

Tgt Ion: 43 Resp: 5304

Ion Ratio Lower Upper

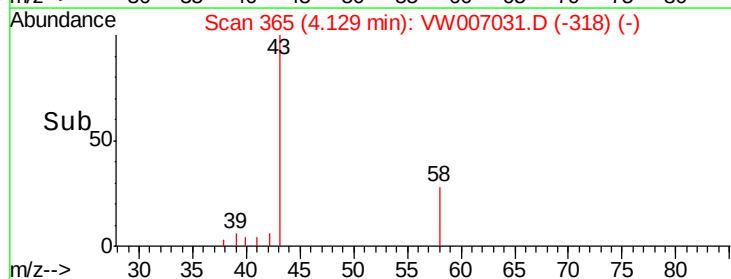
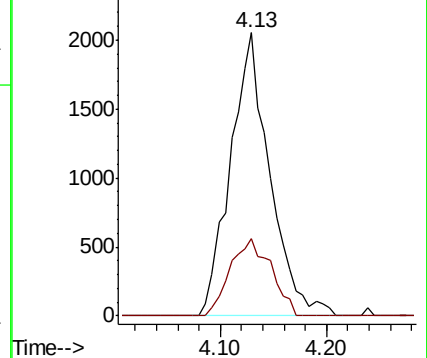
43 100

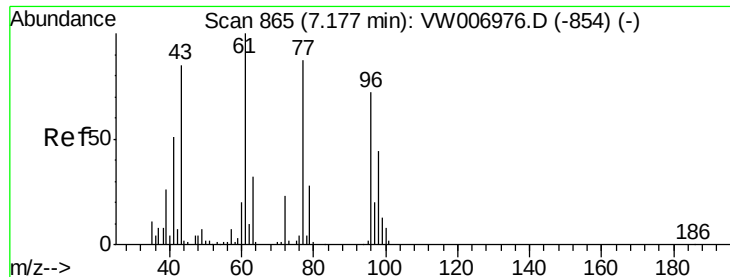
58 27.5 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 45.106 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW007031.D

Acq: 22 Nov 2018 06:43

Instrument :

MSVOA\_W

ClientSampleId :

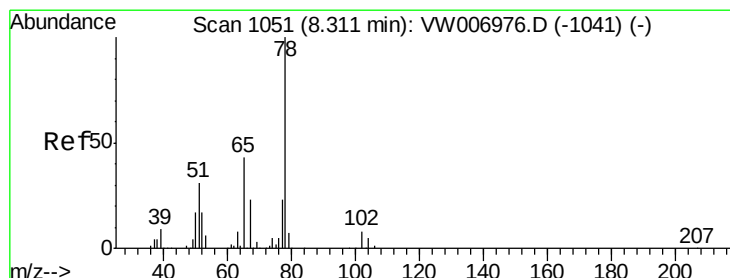
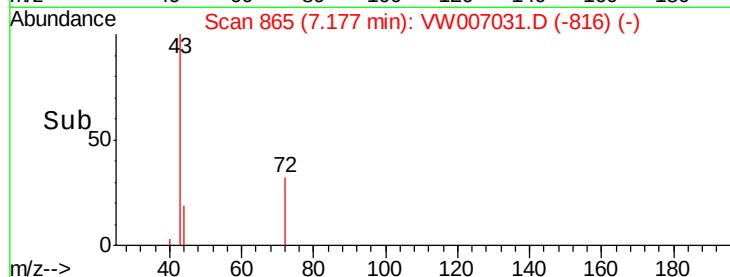
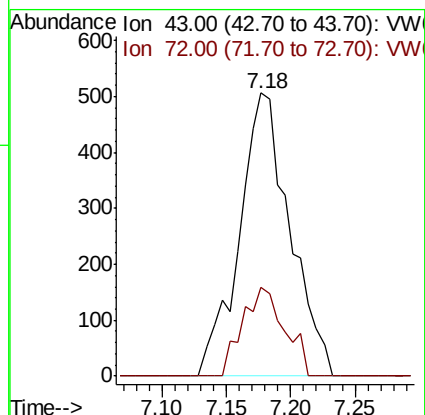
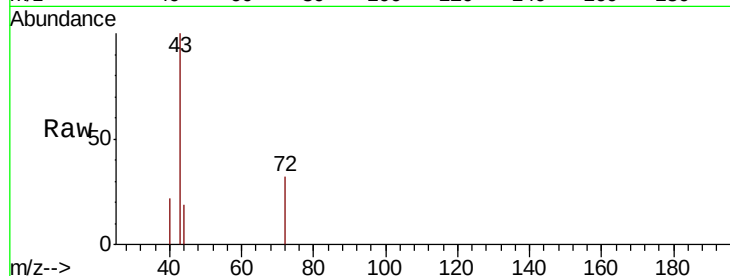
TS-BUCKETS

Tot Ion: 43 Resp: 1379

Ion Ratio Lower Upper

43 100

72 31.6 21.3 31.9



#33

1,2-Dichloroethane-d4

Concen: 53.048 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW007031.D

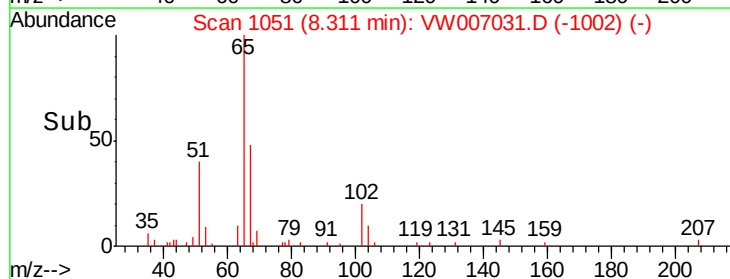
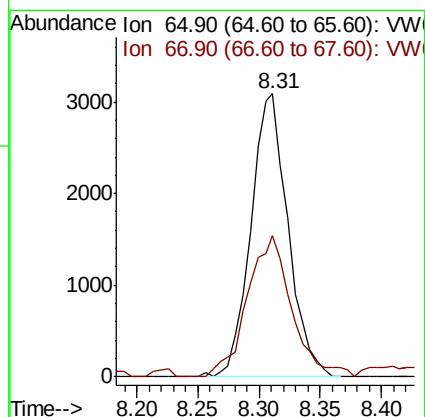
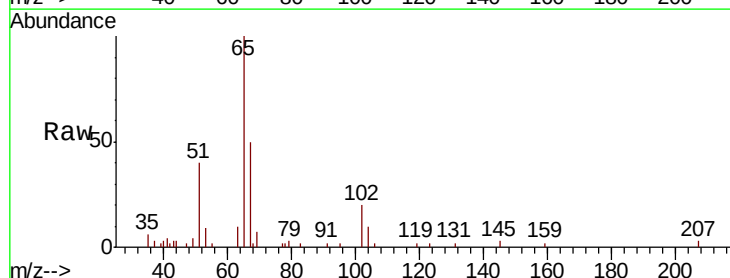
Acq: 22 Nov 2018 06:43

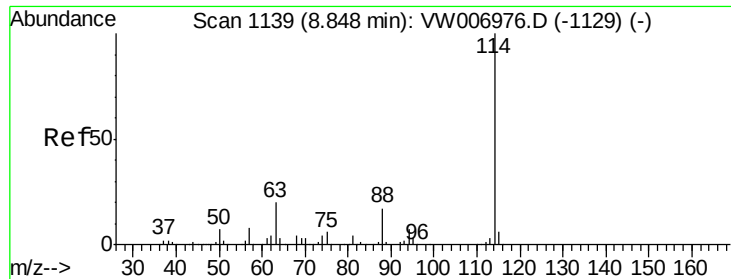
Tgt Ion: 65 Resp: 6522

Ion Ratio Lower Upper

65 100

67 59.6 0.0 106.2



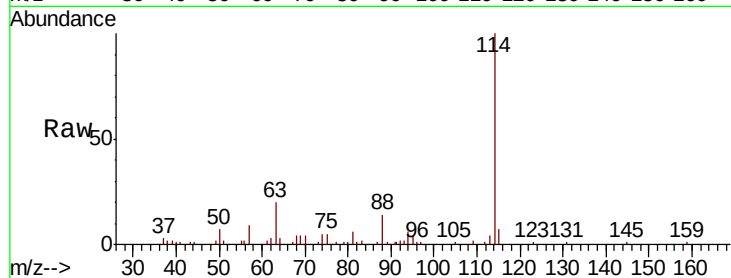


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW007031.D  
 Acq: 22 Nov 2018 06:43

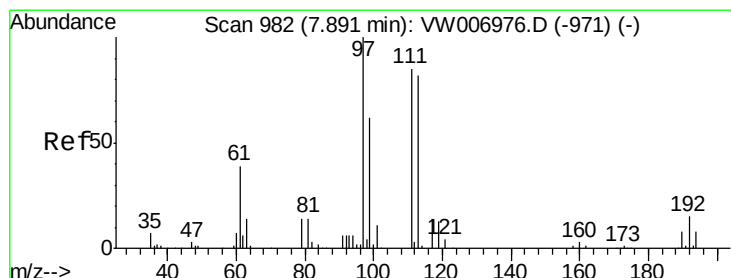
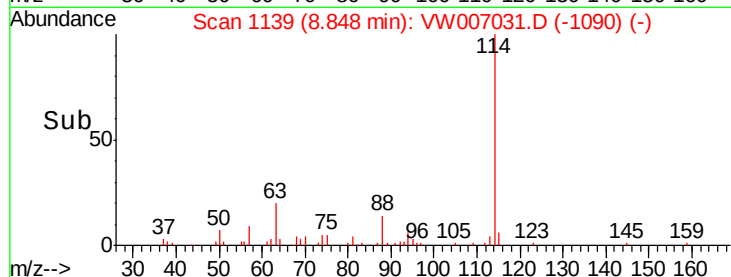
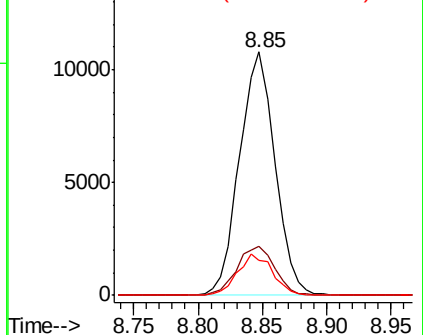
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TS-BUCKETS

Tot Ion:114 Resp: 20579  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.1  | 0.0   | 39.4  |
| 88  | 14.4  | 0.0   | 34.2  |



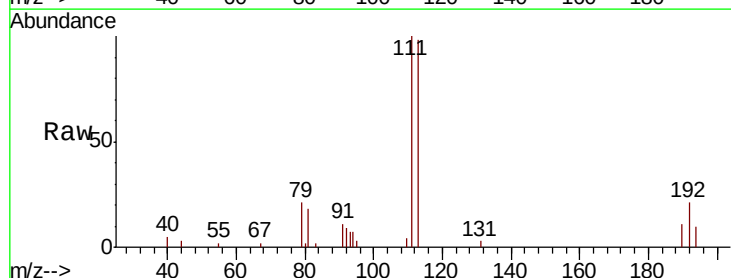
Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW



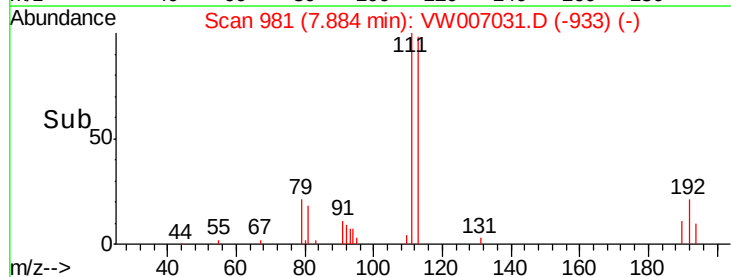
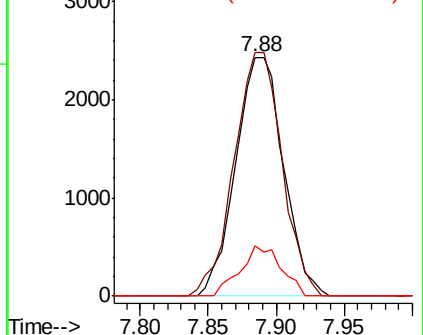
#35  
 Dibromofluoromethane  
 Concen: 51.517 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW007031.D  
 Acq: 22 Nov 2018 06:43

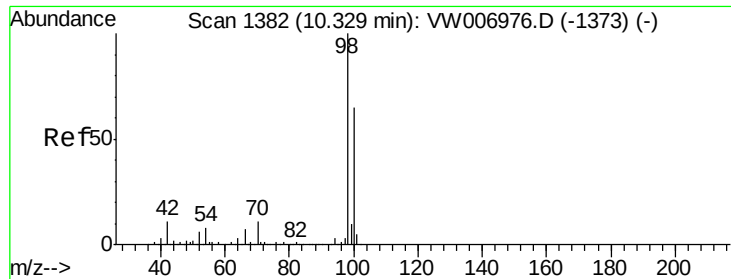
Tgt Ion:113 Resp: 5987  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.2 | 81.0  | 121.6 |
| 192 | 18.0  | 15.0  | 22.6  |



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

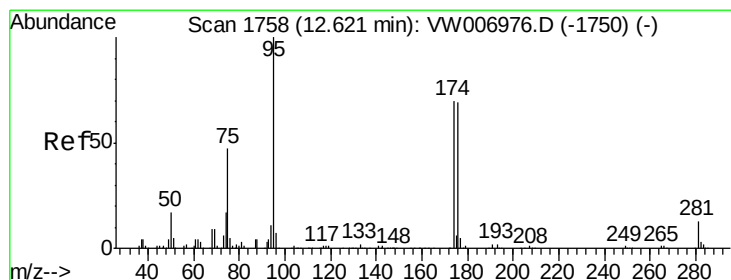
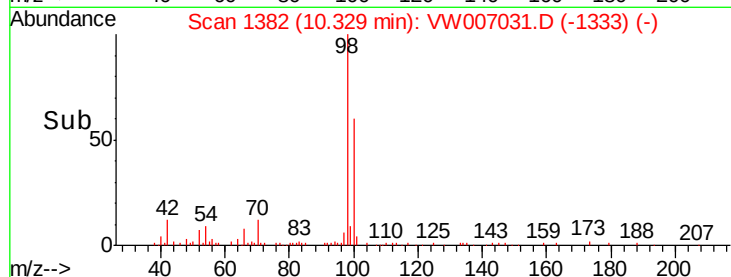
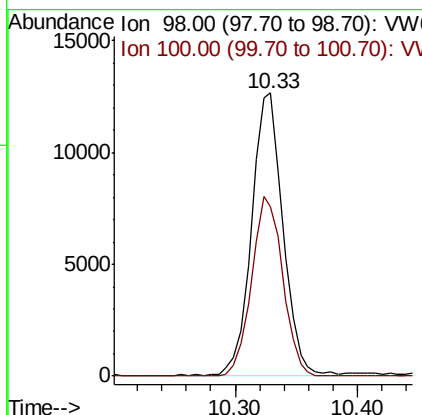
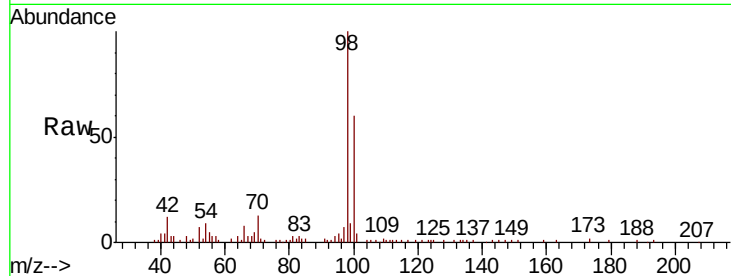




#50  
Toluene-d8  
Concen: 44.395 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VW007031.D  
Acq: 22 Nov 2018 06:43

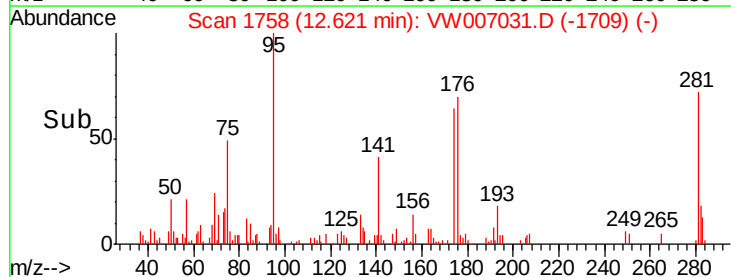
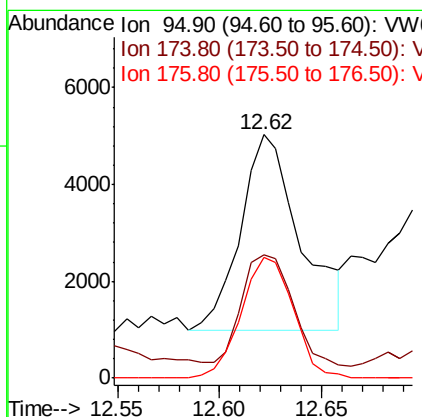
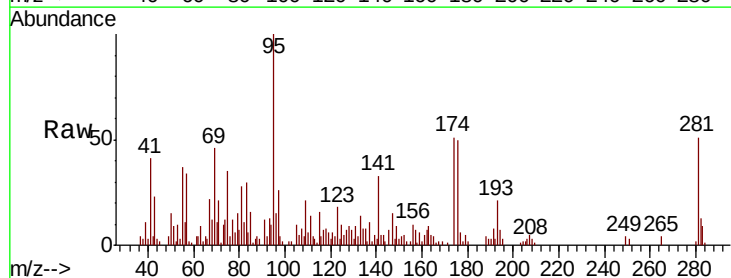
Instrument :  
MSVOA\_W  
ClientSampleId :  
TS-BUCKETS

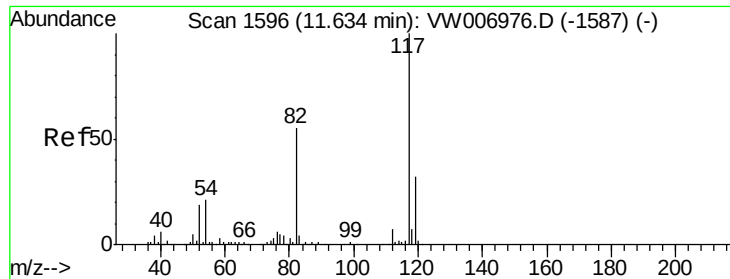
Tot Ion: 98 Resp: 22783  
Ion Ratio Lower Upper  
98 100  
100 62.6 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 40.946 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW007031.D  
Acq: 22 Nov 2018 06:43

Tgt Ion: 95 Resp: 8269  
Ion Ratio Lower Upper  
95 100  
174 47.6 0.0 143.6  
176 53.8 0.0 140.4

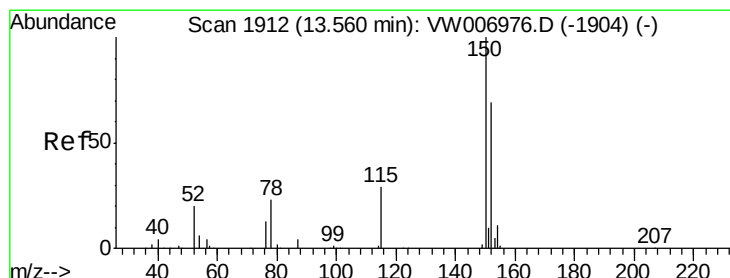
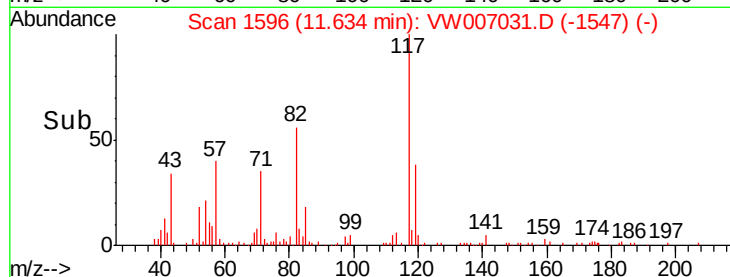
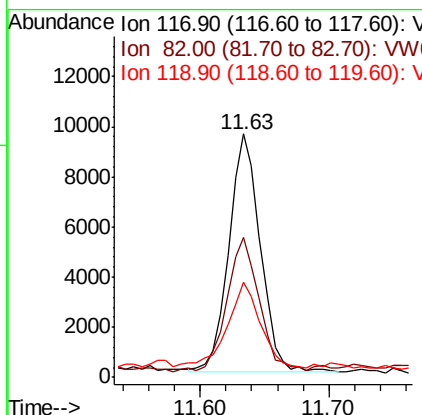
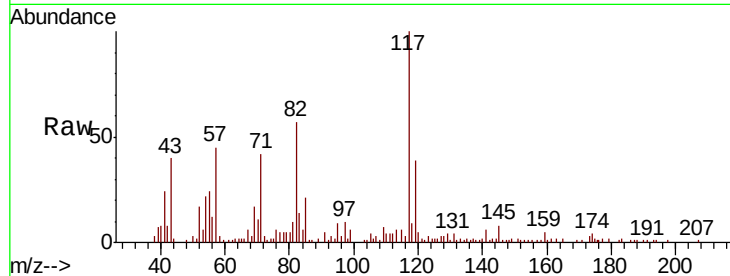




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007031.D  
Acq: 22 Nov 2018 06:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
TS-BUCKETS

Tot Ion:117 Resp: 16146  
Ion Ratio Lower Upper  
117 100  
82 54.8 44.2 66.2  
119 34.4 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.01 min  
Lab File: VW007031.D  
Acq: 22 Nov 2018 06:43

Tgt Ion:152 Resp: 4296  
Ion Ratio Lower Upper  
152 100  
115 75.1 31.4 94.2  
150 168.4 0.0 353.4

