

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\  
 Data File : VW011400.D  
 Acq On : 20 Jul 2019 03:31  
 Operator : SY/VA  
 Sample : K3887-05  
 Misc : 7.10G/5ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 AOC-7(3)

Quant Time: Jul 20 06:52:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 11 08:14:17 2019  
 Response via : Initial Calibration

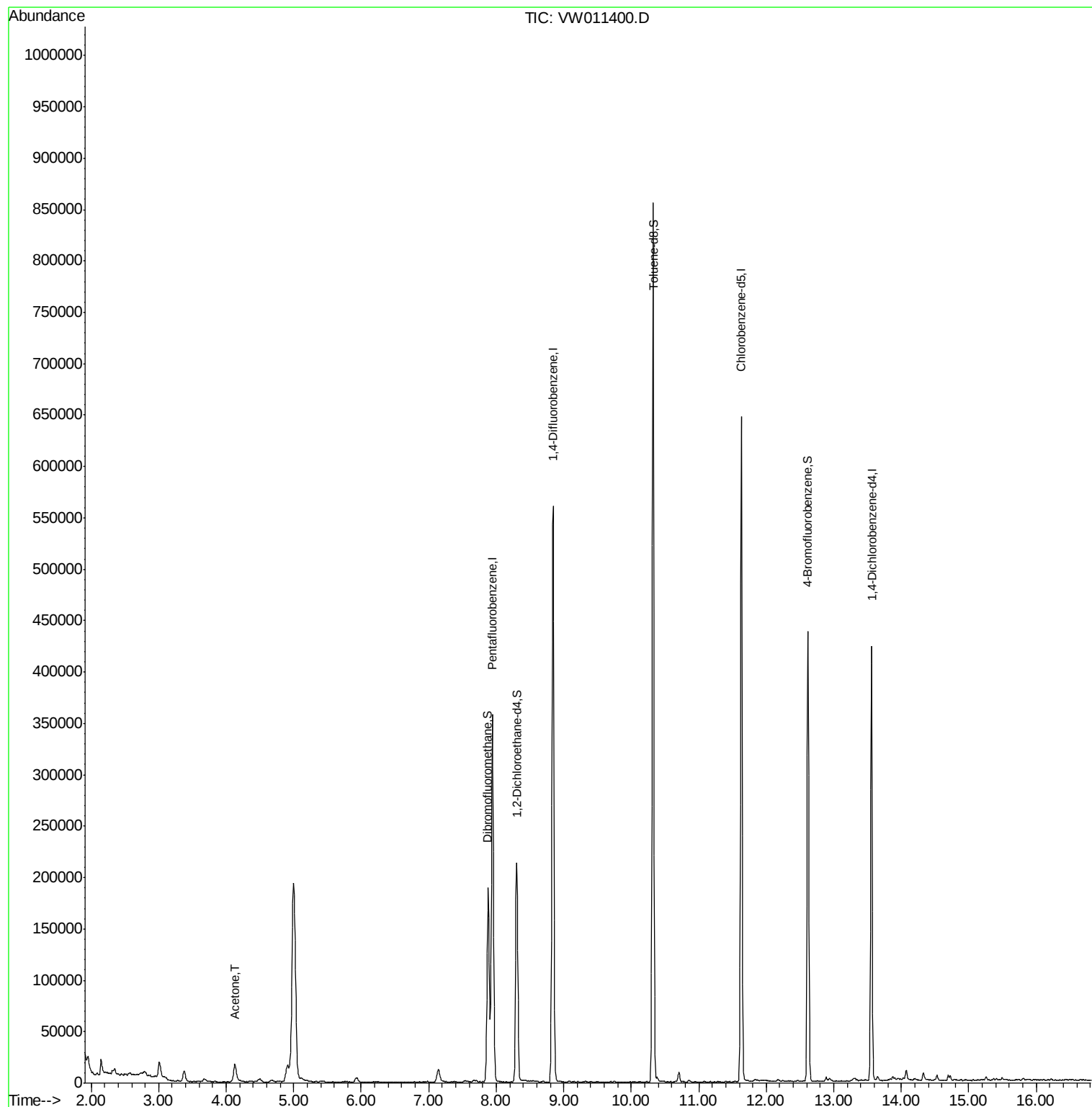
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|---------|------------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 257791   | 50.00  | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 439903   | 50.00  | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 338385   | 50.00  | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 104780   | 50.00  | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |        |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 170007   | 52.48  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.96% |            |
| 35) Dibromofluoromethane    | 7.88  | 113  | 136098   | 51.91  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.82% |            |
| 50) Toluene-d8              | 10.32 | 98   | 535552   | 50.53  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.06% |            |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 141978   | 36.55  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 73.10%  |            |
| Target Compounds            |       |      |          |        |         |            |
| 16) Acetone                 | 4.13  | 43   | 33803    | 43.371 | ug/l    | Qvalue 100 |

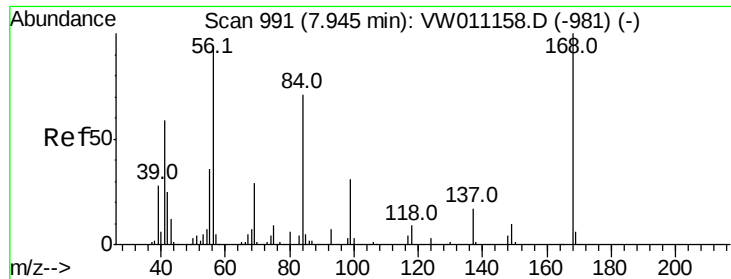
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jul 11 08:14:17 2019  
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: VW011400.D

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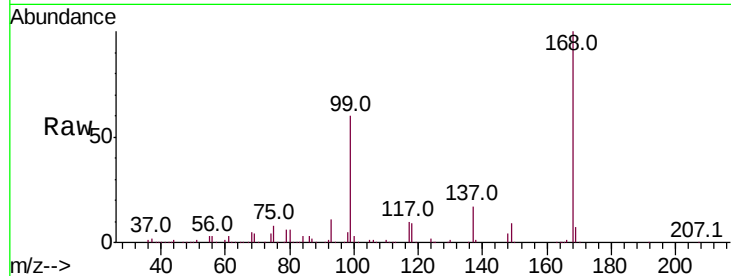
Instrument :  
MSVOA\_W  
ClientSampleId :  
AOC-7(3)

Tot Ion:168 Resp: 257791

Ion Ratio Lower Upper

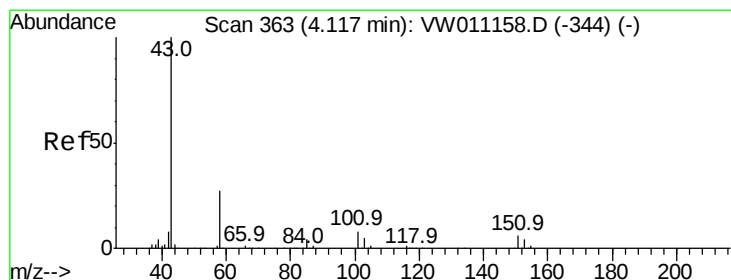
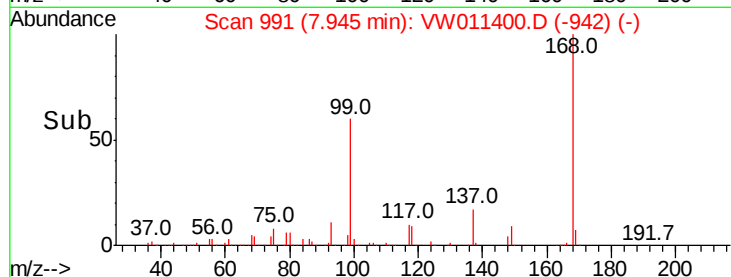
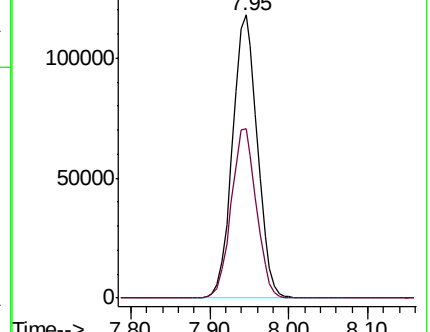
168 100

99 59.8 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 43.371 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011400.D

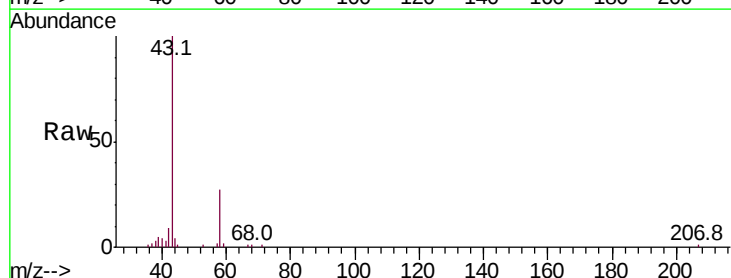
Acq: 20 Jul 2019 03:31

Tgt Ion: 43 Resp: 33803

Ion Ratio Lower Upper

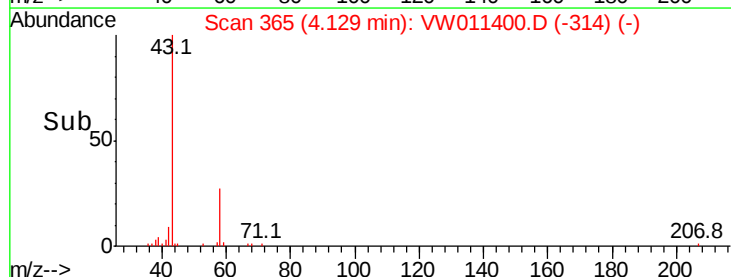
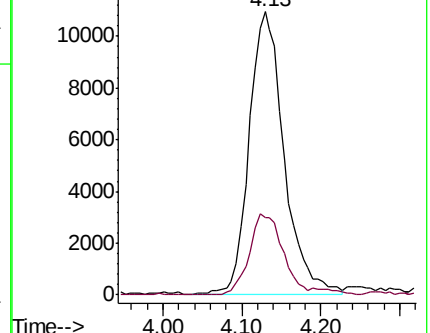
43 100

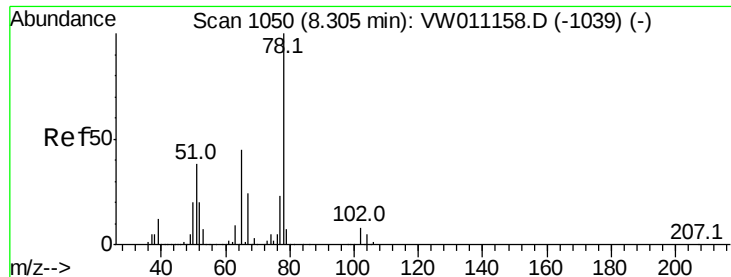
58 27.4 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

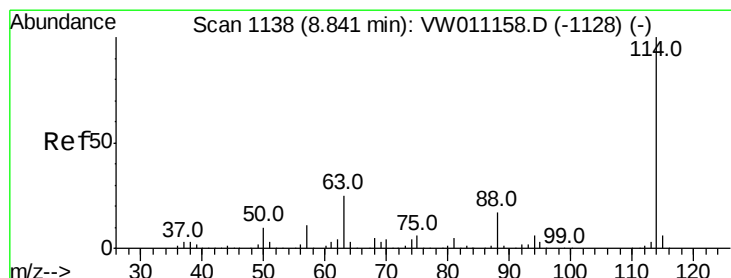
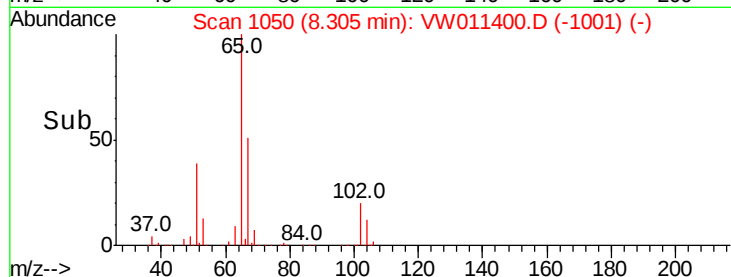
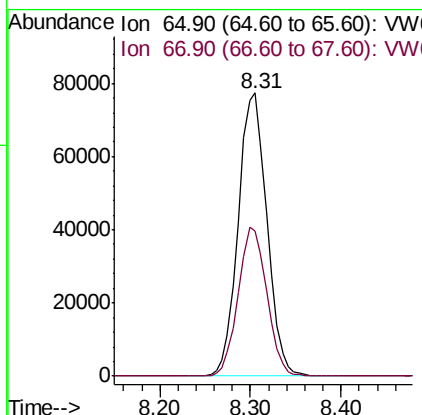
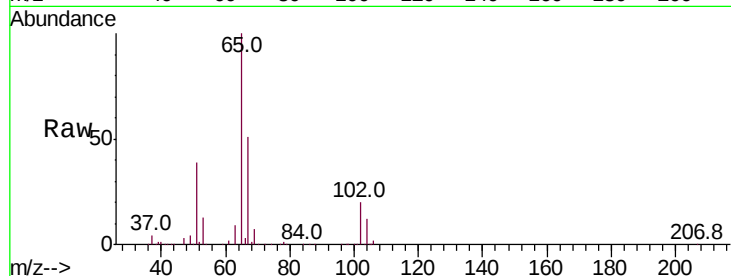




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.484 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW011400.D  
 Acq: 20 Jul 2019 03:31

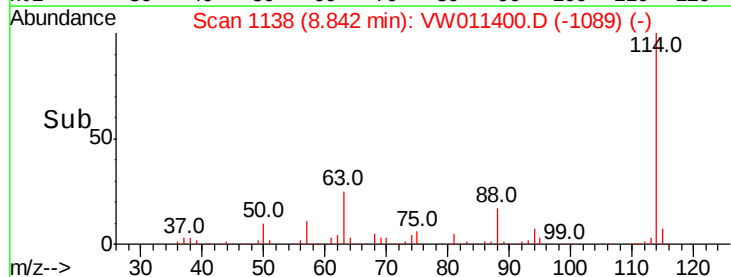
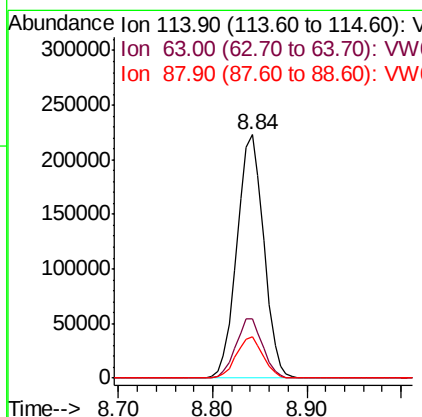
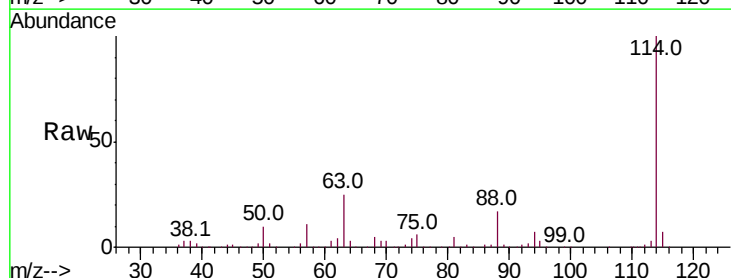
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 AOC-7(3)

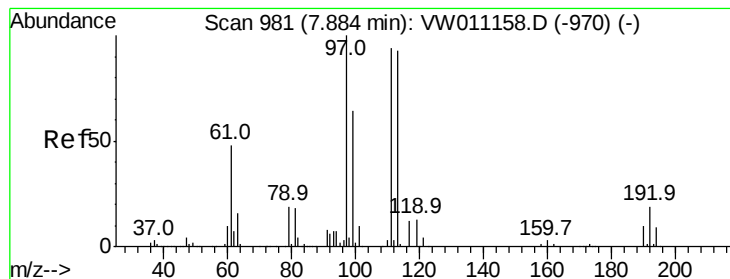
Tot Ion: 65 Resp: 170007  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW011400.D  
 Acq: 20 Jul 2019 03:31

Tgt Ion: 114 Resp: 439903  
 Ion Ratio Lower Upper  
 114 100  
 63 24.6 0.0 50.8  
 88 17.2 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.906 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011400.D

Acq: 20 Jul 2019 03:31

Instrument :

MSVOA\_W

ClientSampleId :

AOC-7(3)

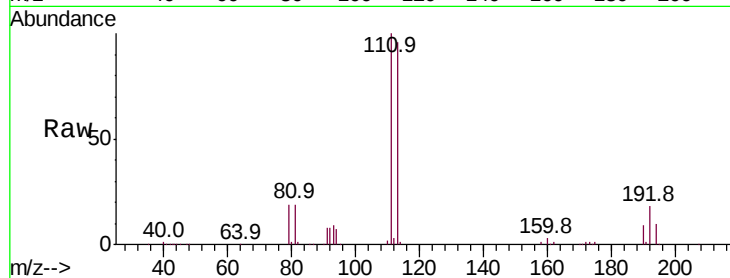
Tot Ion:113 Resp: 136098

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

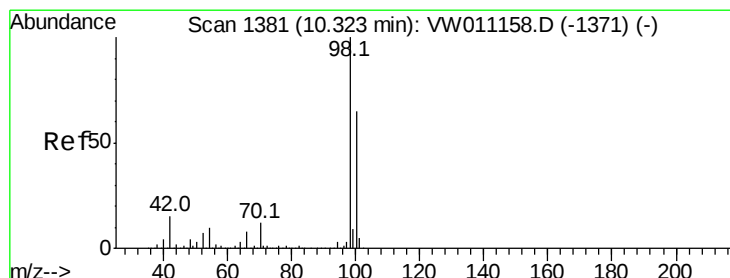
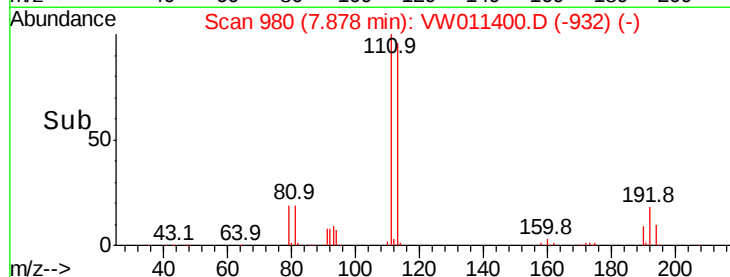
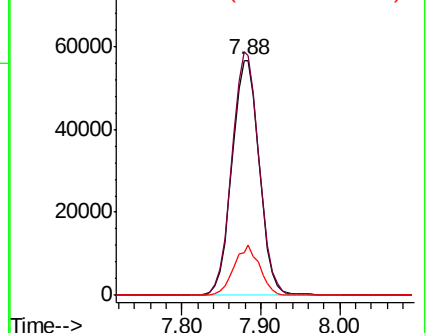
192 20.2 15.8 23.8



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: 50.531 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011400.D

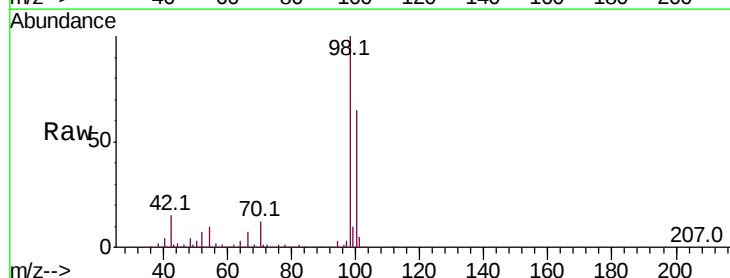
Acq: 20 Jul 2019 03:31

Tgt Ion: 98 Resp: 535552

Ion Ratio Lower Upper

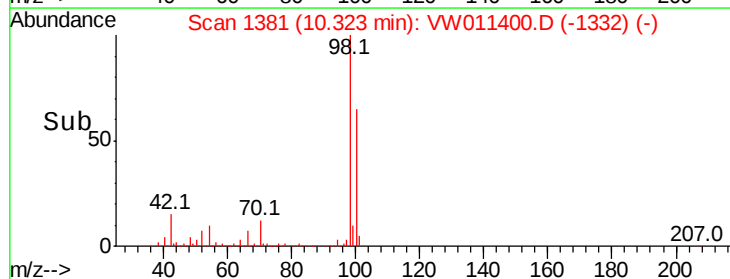
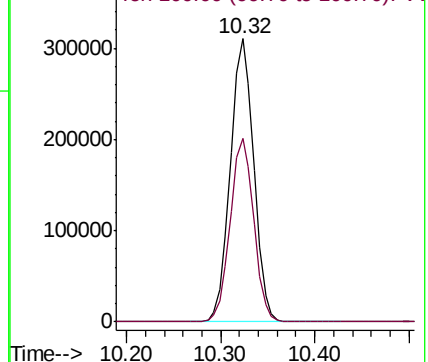
98 100

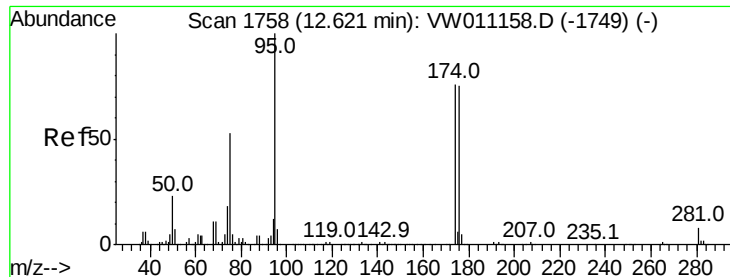
100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

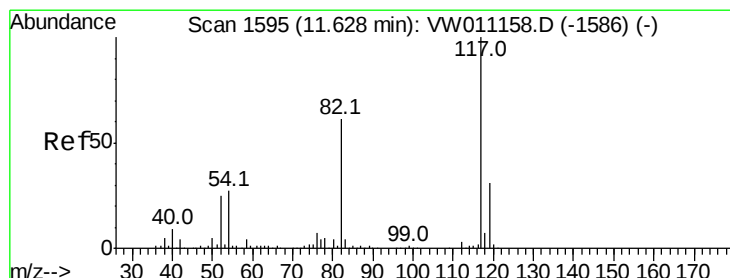
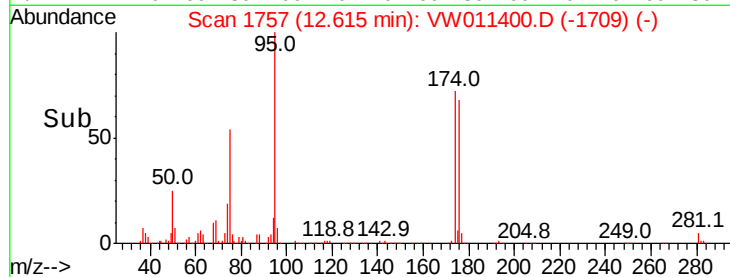
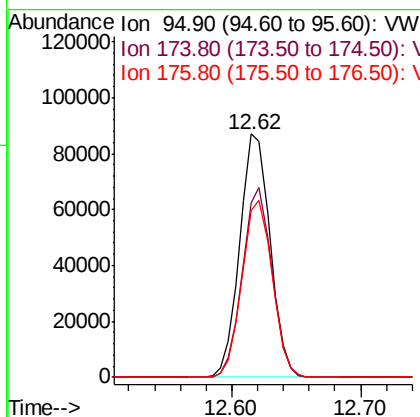
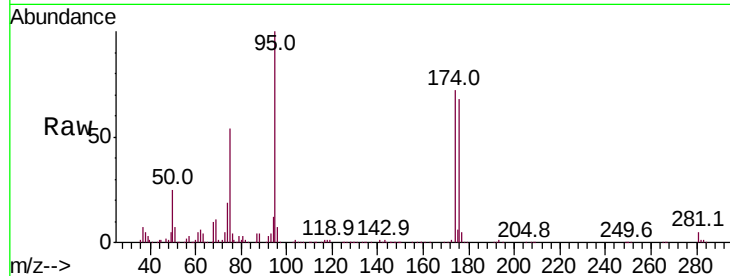




#62  
4-Bromofluorobenzene  
Concen: 36.547 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.01 min  
Lab File: VW011400.D  
Acq: 20 Jul 2019 03:31

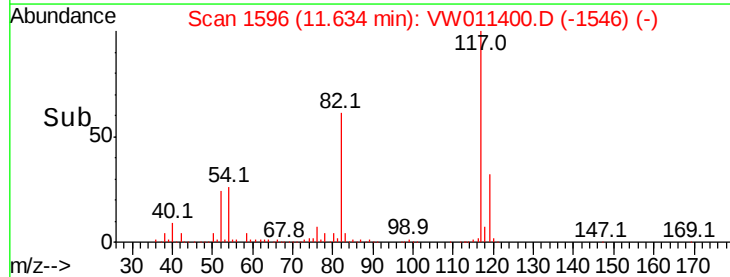
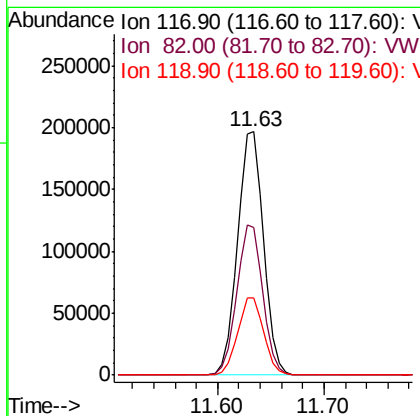
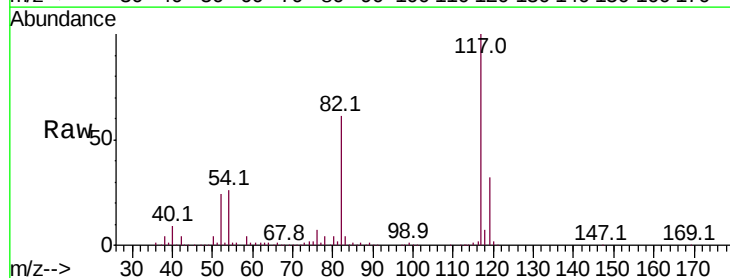
Instrument :  
MSVOA\_W  
ClientSampleId :  
AOC-7(3)

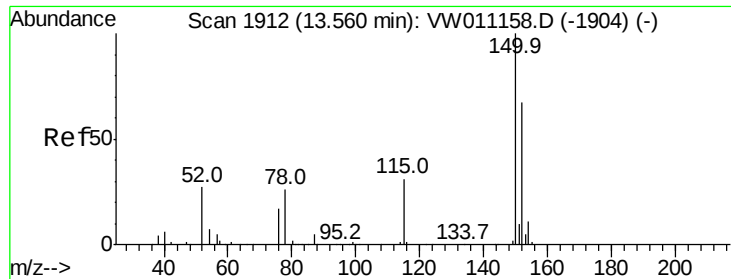
| Tot Ion   | 95    | Resp  | 141978 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 75.7  | 0.0   | 147.6  |
| 176       | 72.4  | 0.0   | 144.6  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW011400.D  
Acq: 20 Jul 2019 03:31

| Tgt Ion   | 117   | Resp  | 338385 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 60.6  | 48.9  | 73.3   |
| 119       | 31.7  | 25.0  | 37.6   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011400.D

Acq: 20 Jul 2019 03:31

Instrument :

MSVOA\_W

ClientSampleId :

AOC-7(3)

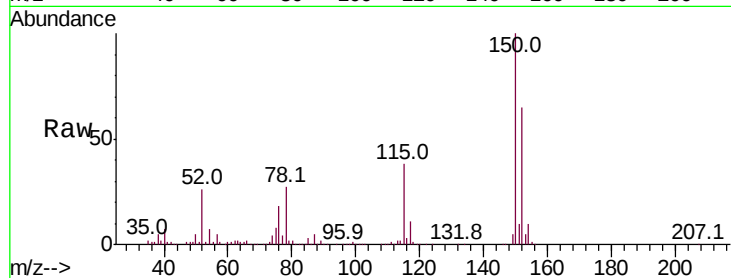
Tot Ion:152 Resp: 104780

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

150 155.0 0.0 346.0



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

