

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\  
 Data File : VW013086.D  
 Acq On : 17 Sep 2019 13:29  
 Operator : SY/VA  
 Sample : K4873-01  
 Misc : 5.51G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VOC-28

Quant Time: Sep 18 06:35:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 13 17:26:01 2019  
 Response via : Initial Calibration

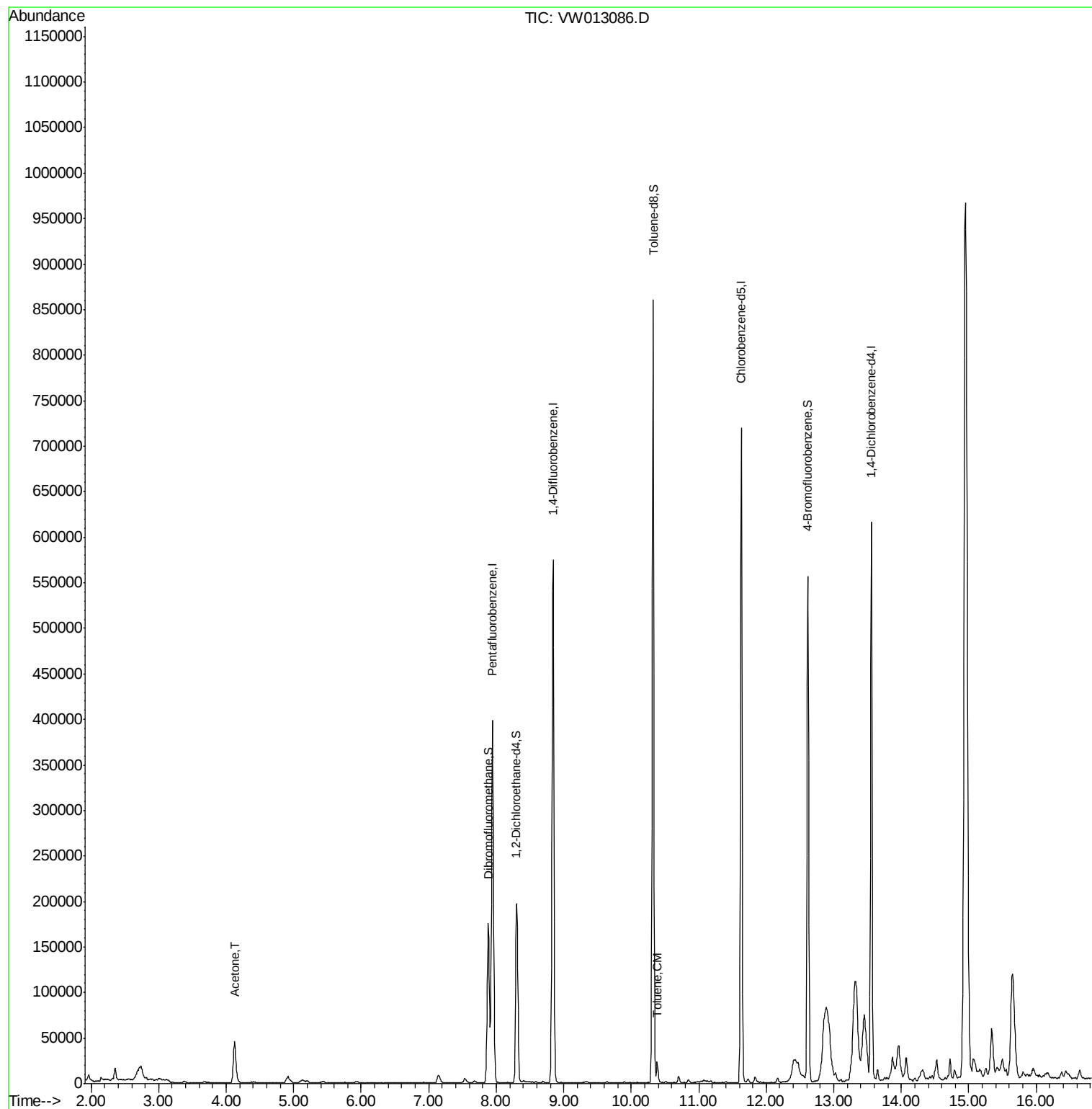
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 311050   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 471157   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 395091   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 164911   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 160297   | 55.80   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 111.60% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 127102   | 49.72   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 99.44%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 558001   | 55.78   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 111.56% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 180475   | 50.17   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 100.34% |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 4.12  | 43   | 82521    | 122.404 | ug/l    | 96       |
| 52) Toluene                 | 10.39 | 92   | 9342     | 1.399   | ug/l    | 98       |

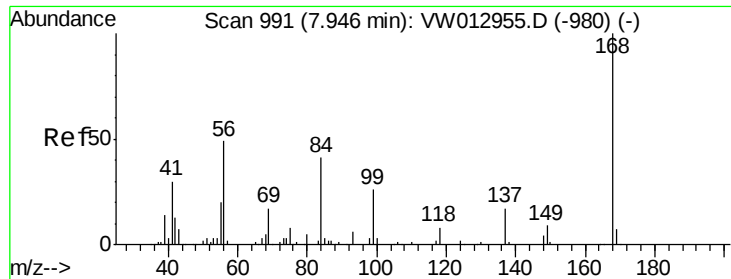
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :  
VOC-28

Quant Time: Sep 18 06:35:47 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 13 17:26:01 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: VW013086.D

Acq: 17 Sep 2019 13:29

Instrument :

MSVOA\_W

ClientSampled :

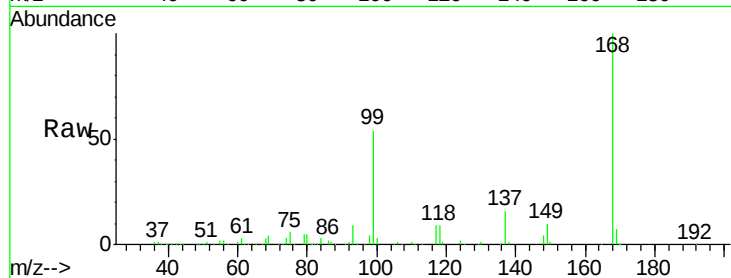
VOC-28

Tot Ion:168 Resp: 311050

Ion Ratio Lower Upper

168 100

99 53.7 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

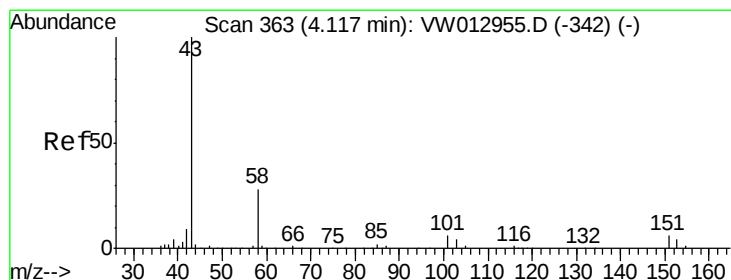
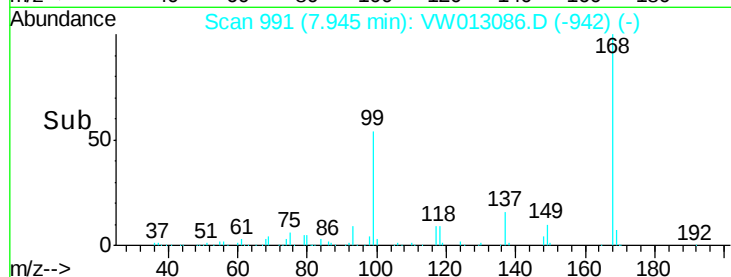
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 122.404 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013086.D

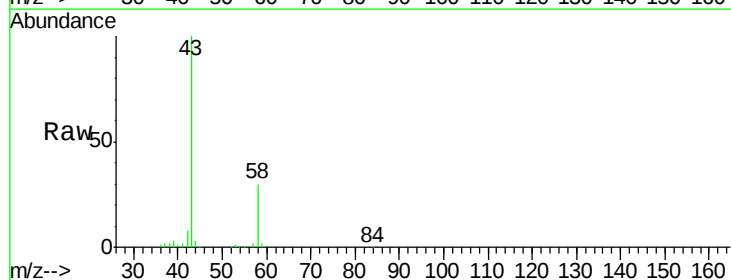
Acq: 17 Sep 2019 13:29

Tgt Ion: 43 Resp: 82521

Ion Ratio Lower Upper

43 100

58 30.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

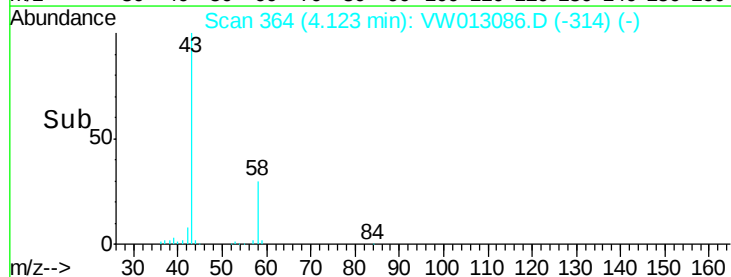
30000

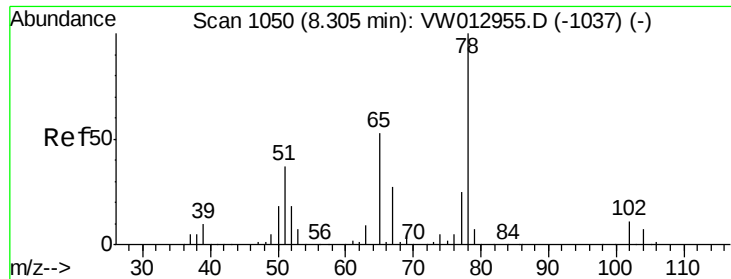
20000

10000

0

Time--> 4.00 4.10 4.20

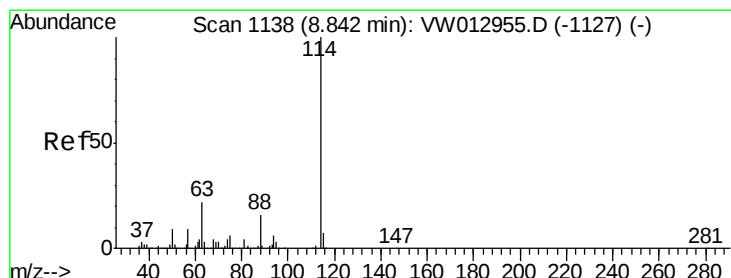
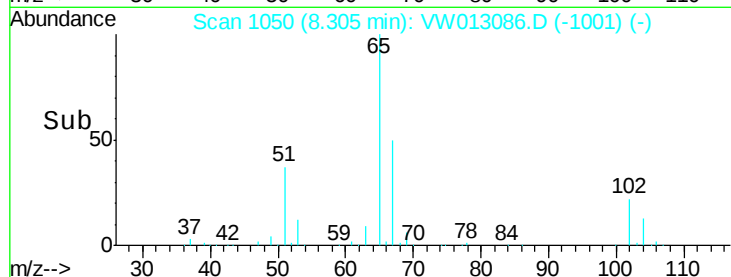
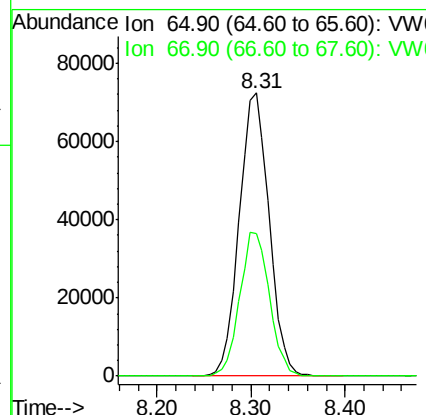
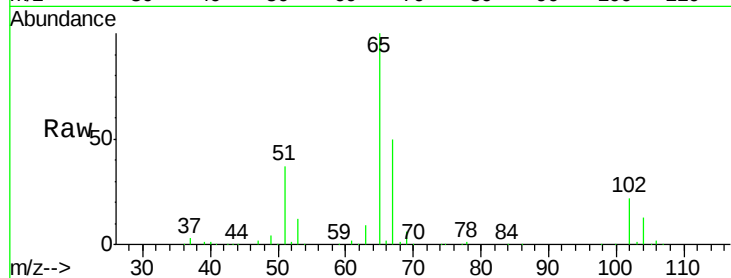




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.799 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW013086.D  
 Acq: 17 Sep 2019 13:29

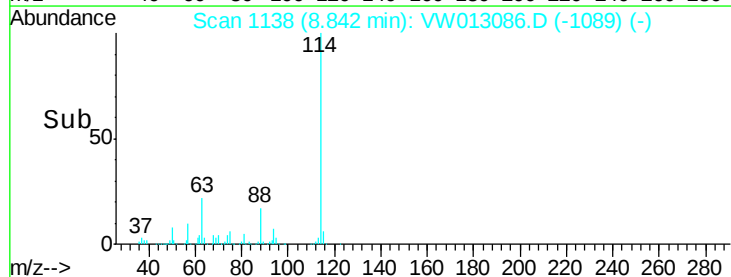
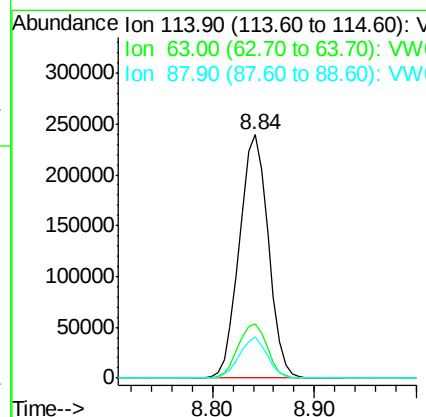
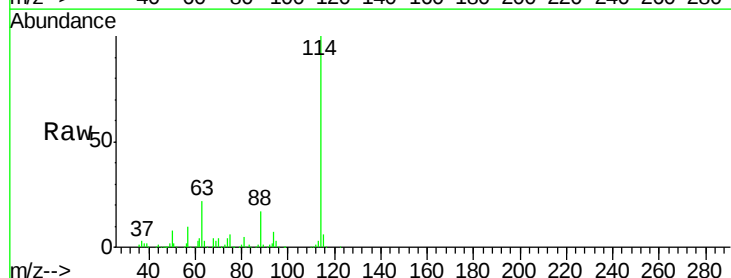
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VOC-28

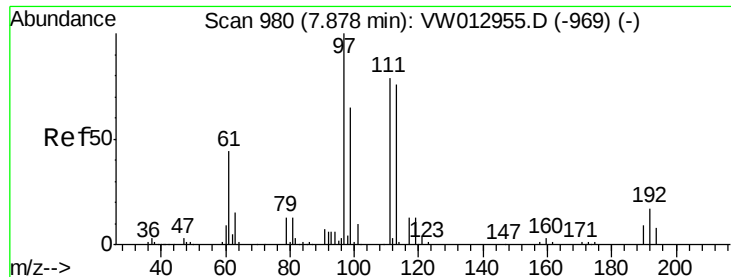
Tot Ion: 65 Resp: 160297  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 101.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW013086.D  
 Acq: 17 Sep 2019 13:29

Tgt Ion: 114 Resp: 471157  
 Ion Ratio Lower Upper  
 114 100  
 63 22.2 0.0 43.4  
 88 16.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.716 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013086.D

Acq: 17 Sep 2019 13:29

Instrument :

MSVOA\_W

ClientSampleId :

VOC-28

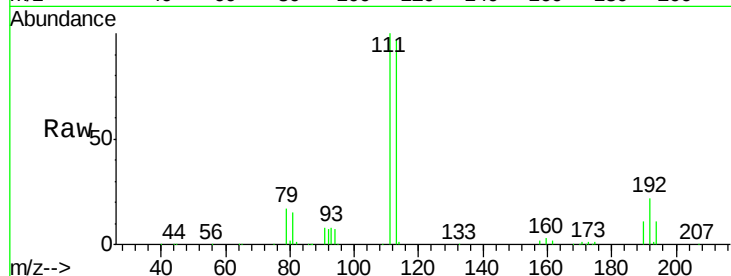
Tot Ion:113 Resp: 127102

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

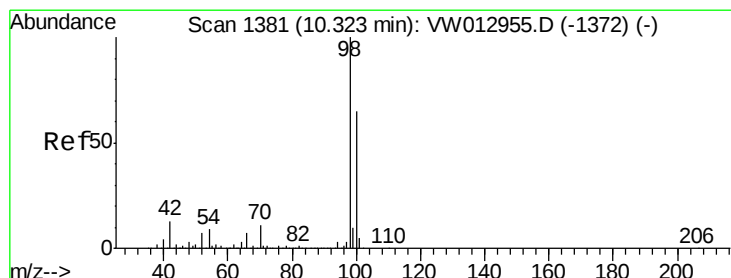
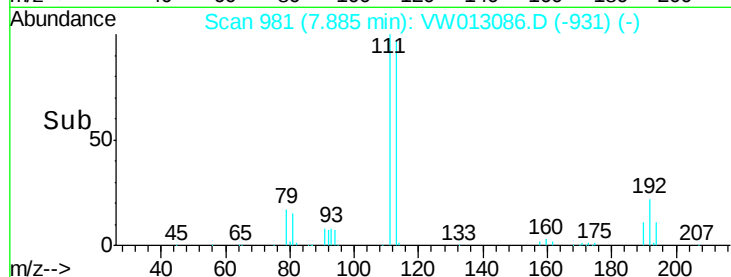
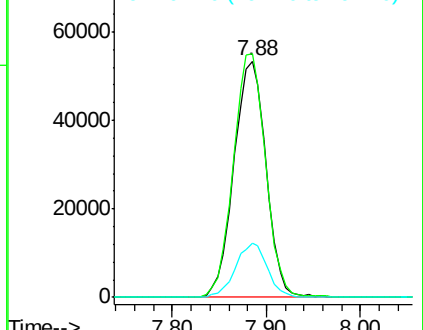
192 22.8 17.8 26.8



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: 55.777 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013086.D

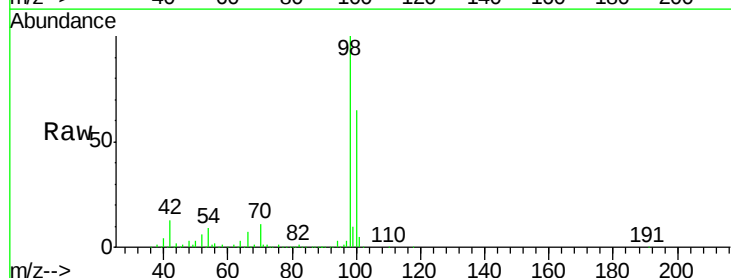
Acq: 17 Sep 2019 13:29

Tgt Ion: 98 Resp: 558001

Ion Ratio Lower Upper

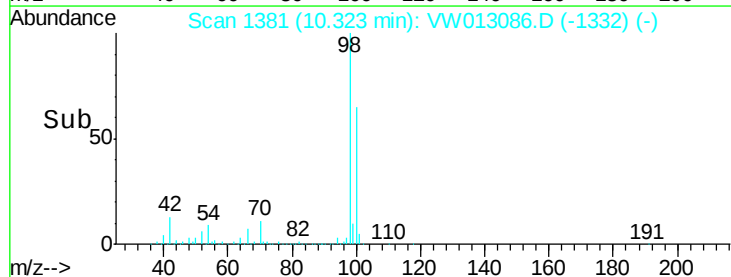
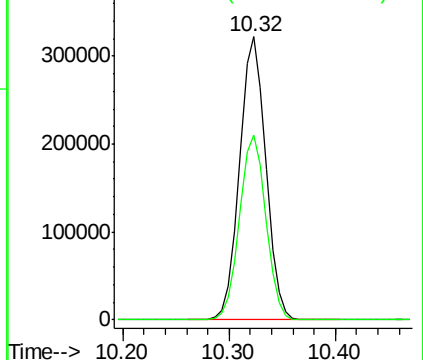
98 100

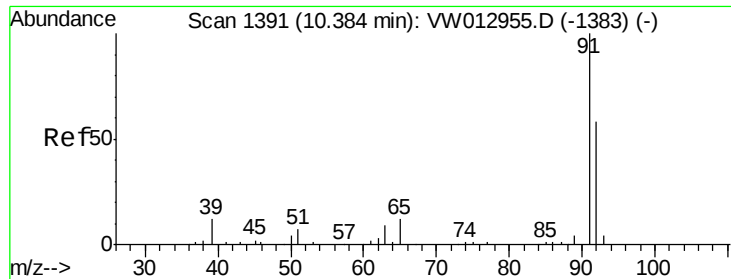
100 65.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.399 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013086.D

Acq: 17 Sep 2019 13:29

Instrument :

MSVOA\_W

ClientSampled :

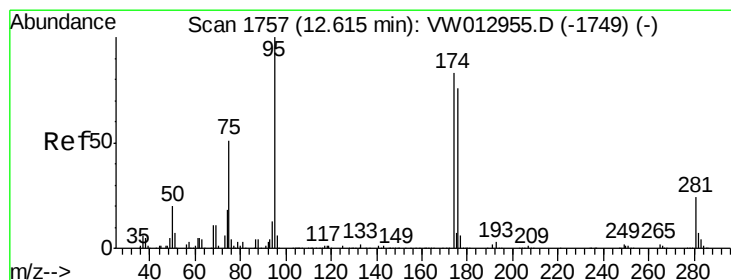
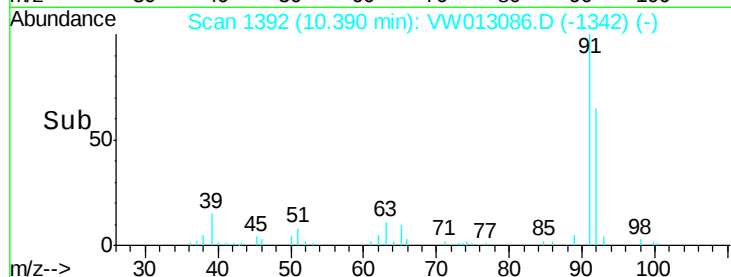
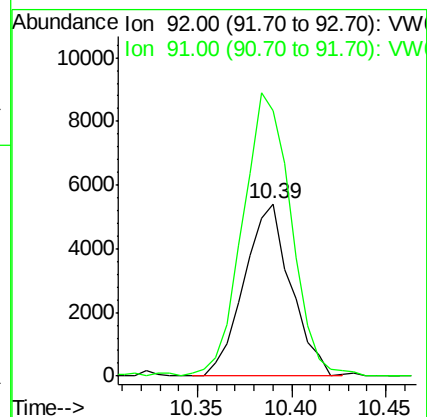
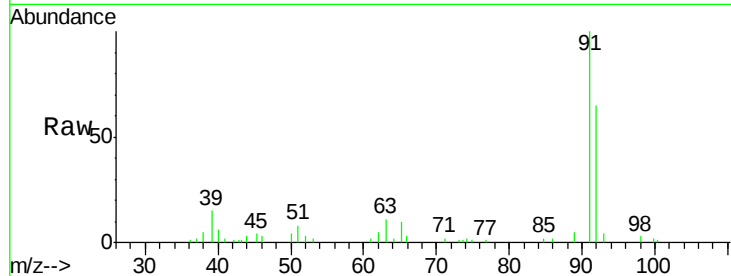
VOC-28

Tot Ion: 92 Resp: 9342

Ion Ratio Lower Upper

92 100

91 169.1 137.5 206.3



#62

4-Bromofluorobenzene

Concen: 50.170 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013086.D

Acq: 17 Sep 2019 13:29

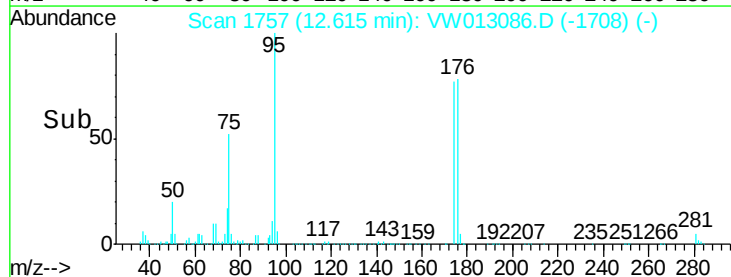
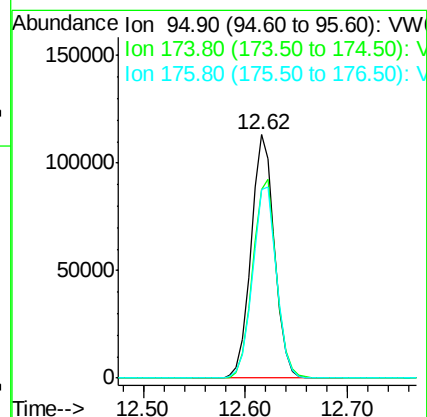
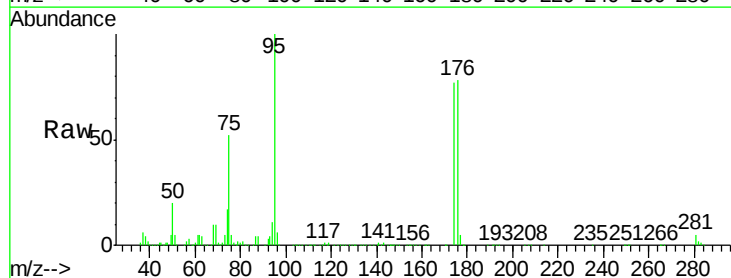
Tgt Ion: 95 Resp: 180475

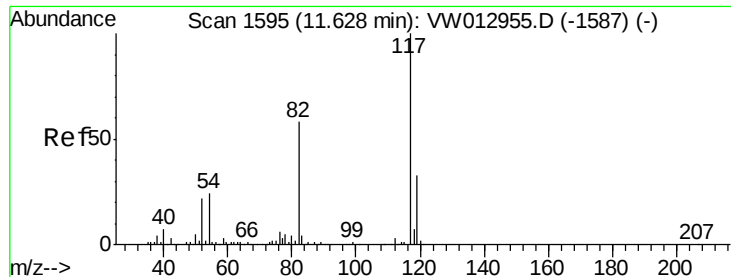
Ion Ratio Lower Upper

95 100

174 82.8 0.0 170.4

176 81.0 0.0 164.6

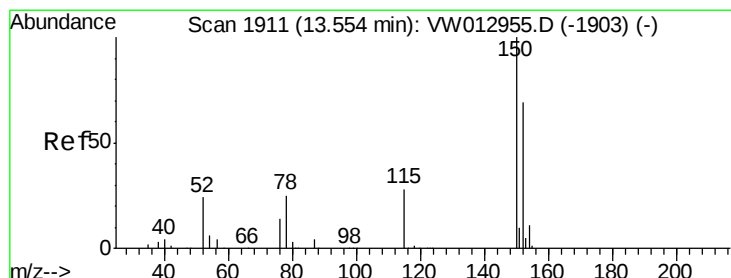
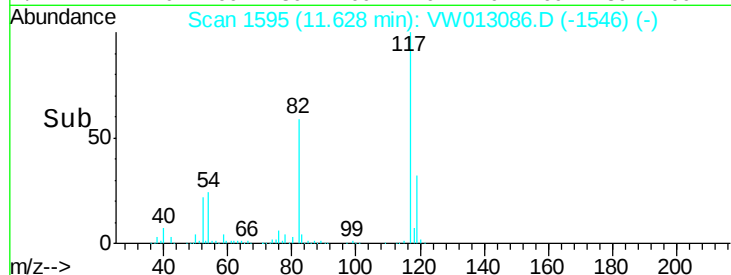
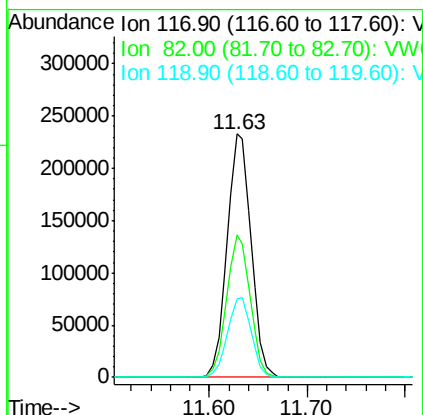
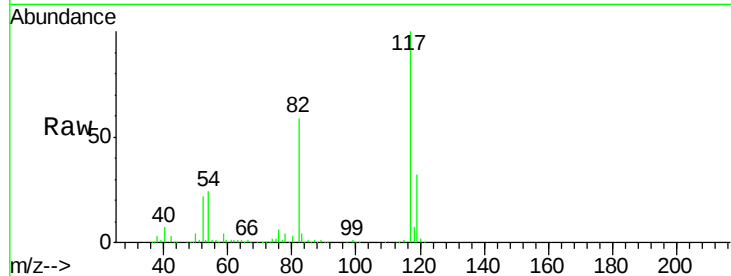




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW013086.D  
Acq: 17 Sep 2019 13:29

Instrument :  
MSVOA\_W  
ClientSampled :  
VOC-28

Tot Ion:117 Resp: 395091  
Ion Ratio Lower Upper  
117 100  
82 58.5 46.3 69.5  
119 32.1 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.01 min  
Lab File: VW013086.D  
Acq: 17 Sep 2019 13:29

Tgt Ion:152 Resp: 164911  
Ion Ratio Lower Upper  
152 100  
115 58.5 28.8 86.4  
150 156.9 0.0 340.2

