

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\  
 Data File : VW013042.D  
 Acq On : 16 Sep 2019 15:32  
 Operator : SY/VA  
 Sample : K4764-01  
 Misc : 5.19G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ROLL-OFF-VOC-1

Quant Time: Sep 17 07:34:26 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

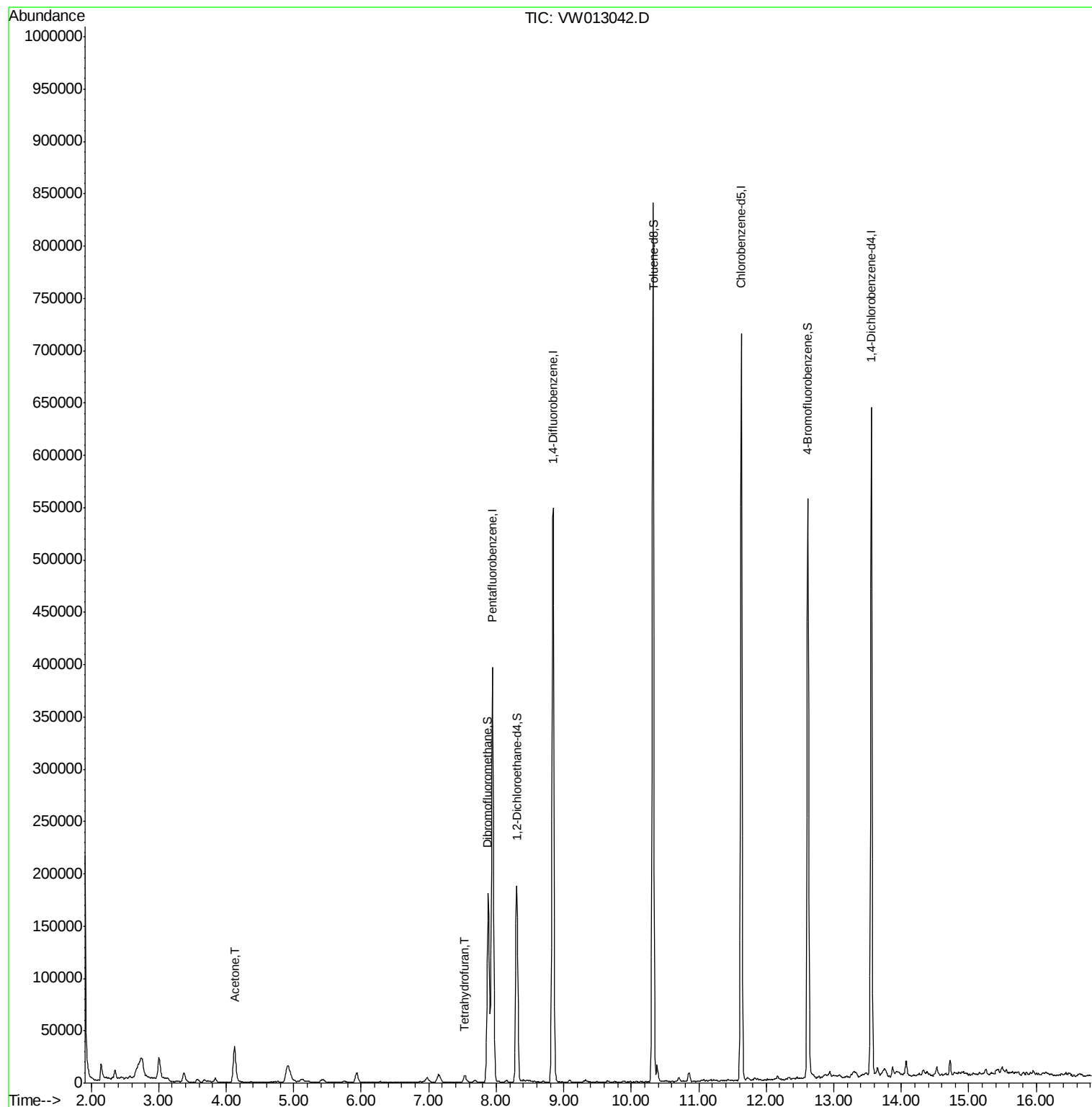
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 305368   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 458651   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 383883   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.55 | 152  | 166941   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 152918   | 54.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.44% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 131977   | 53.03  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.06% |          |
| 50) Toluene-d8              | 10.32 | 98   | 549454   | 56.42  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.84% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 176865   | 50.51  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.02% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 62730    | 89.994 | ug/l    | 99       |
| 29) Tetrahydrofuran         | 7.53  | 42   | 5630     | 11.018 | ug/l    | 94       |

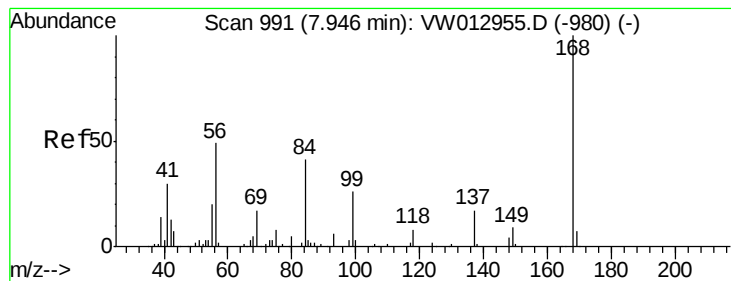
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091619\  
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ROLL-OFF-VOC-1

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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: VW013042.D

Acq: 16 Sep 2019 15:32

Instrument :

MSVOA\_W

ClientSampleId :

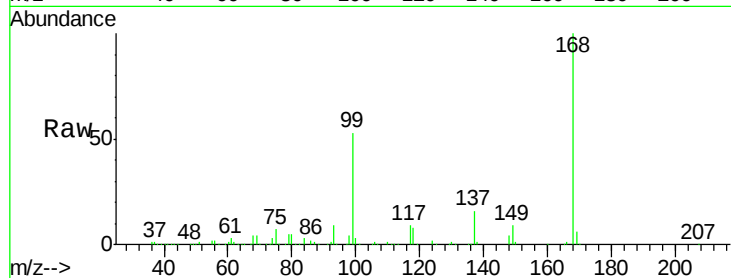
ROLL-OFF-VOC-1

Tot Ion:168 Resp: 305368

Ion Ratio Lower Upper

168 100

99 52.9 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

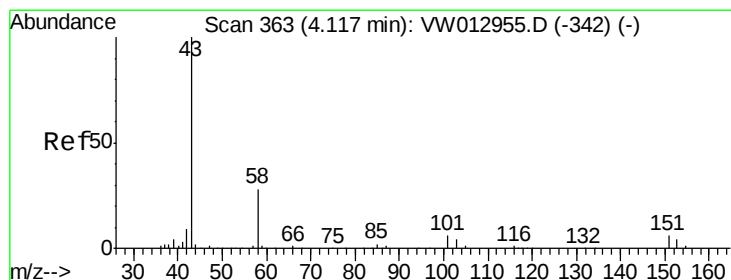
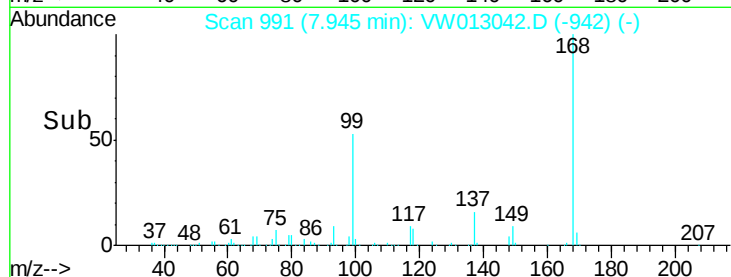
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 89.994 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013042.D

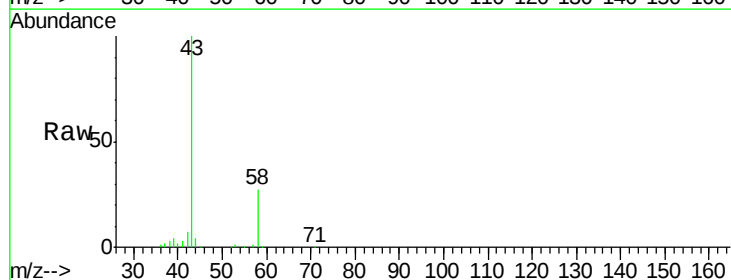
Acq: 16 Sep 2019 15:32

Tgt Ion: 43 Resp: 62730

Ion Ratio Lower Upper

43 100

58 27.2 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

25000

20000

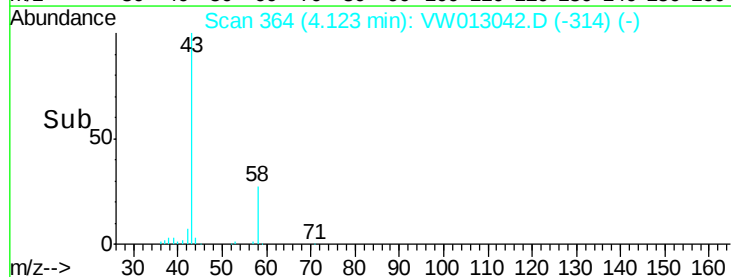
15000

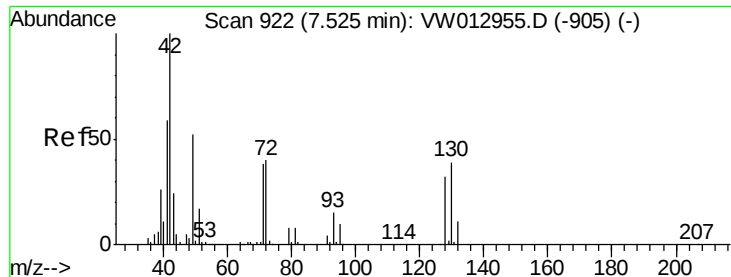
10000

5000

0

Time--> 4.00 4.10 4.20 4.30

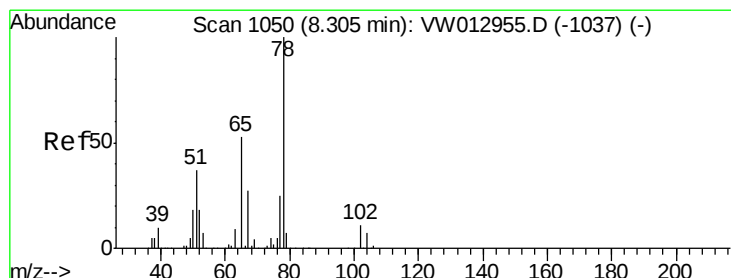
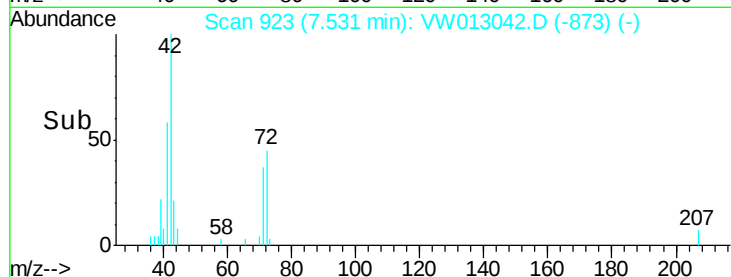
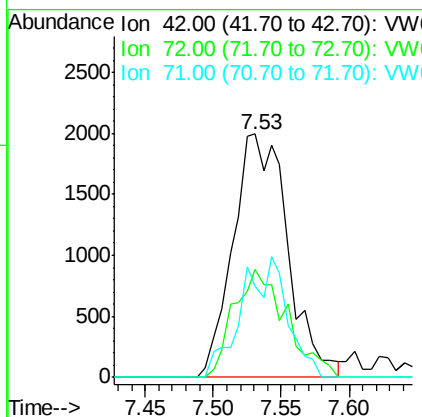
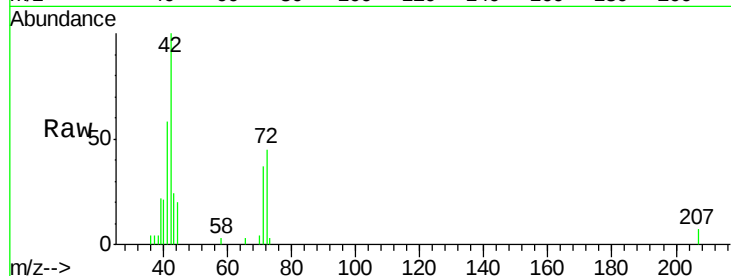




#29  
Tetrahydrofuran  
Concen: 11.018 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VW013042.D  
Acq: 16 Sep 2019 15:32

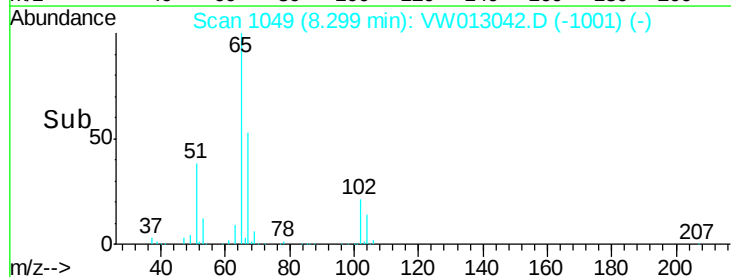
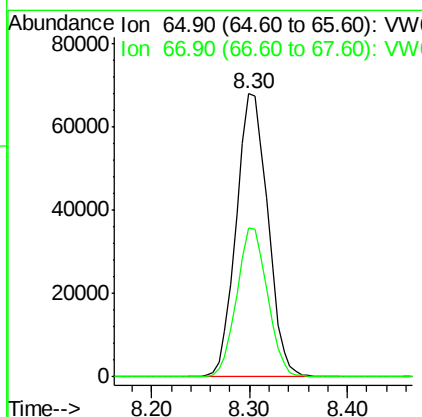
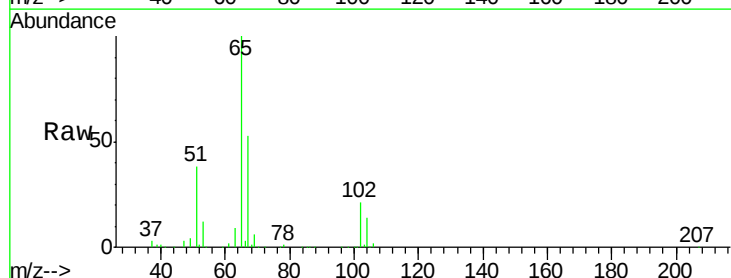
Instrument :  
MSVOA\_W  
ClientSampleId :  
ROLL-OFF-VOC-1

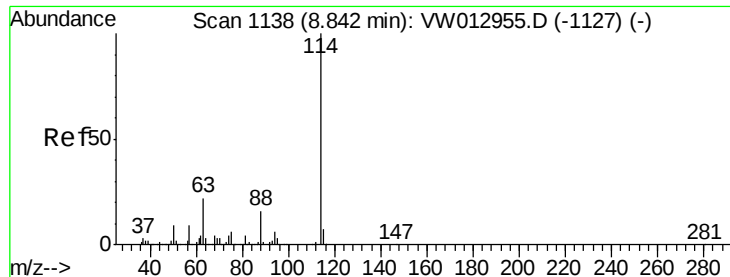
Tot Ion: 42 Resp: 5630  
Ion Ratio Lower Upper  
42 100  
72 42.5 31.4 47.0  
71 41.2 29.8 44.8



#33  
1,2-Dichloroethane-d4  
Concen: 54.221 ug/l  
RT: 8.30 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: VW013042.D  
Acq: 16 Sep 2019 15:32

Tgt Ion: 65 Resp: 152918  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 101.2

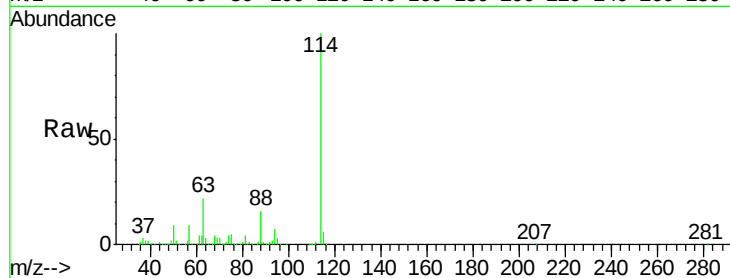




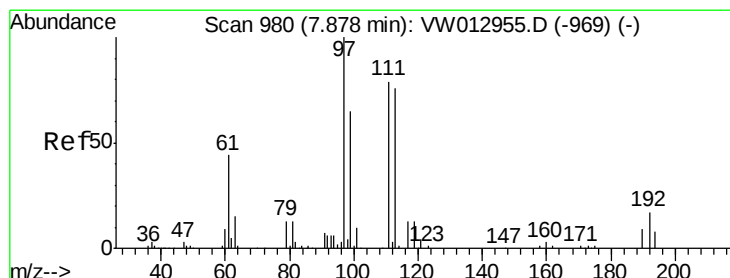
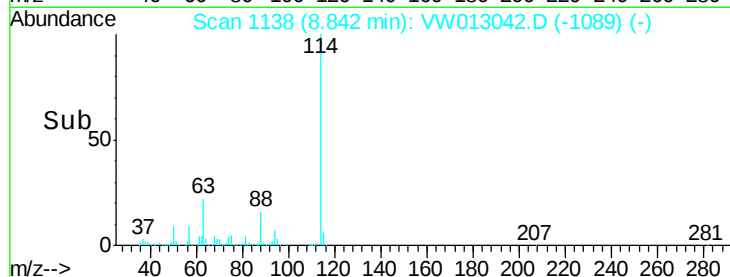
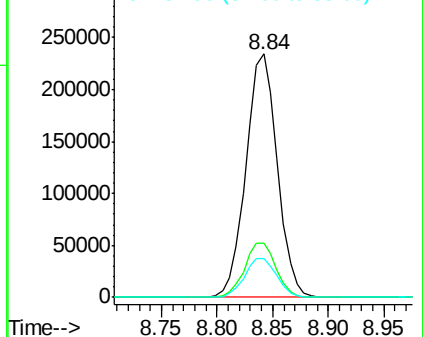
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: VW013042.D  
Acq: 16 Sep 2019 15:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
ROLL-OFF-VOC-1

Tot Ion:114 Resp: 458651  
Ion Ratio Lower Upper  
114 100  
63 22.4 0.0 43.4  
88 16.0 0.0 31.6

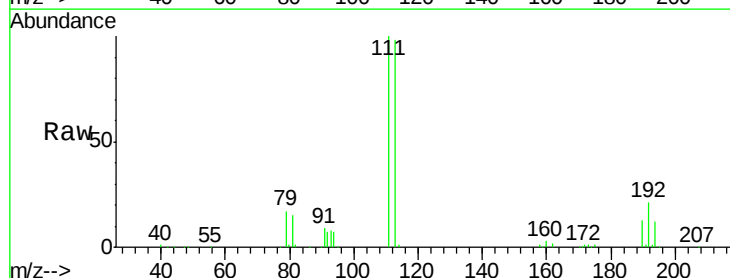


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

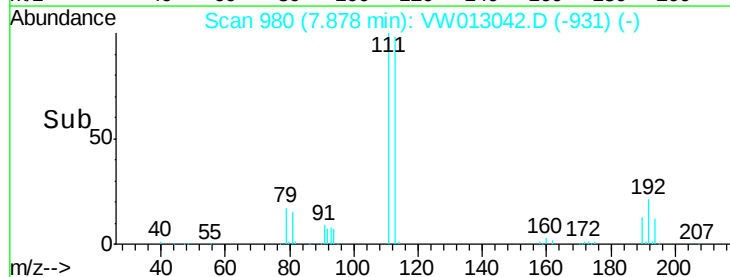
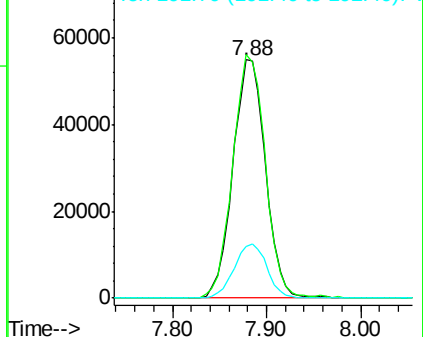


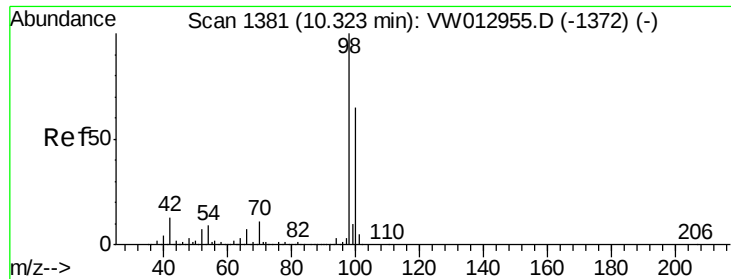
#35  
Dibromofluoromethane  
Concen: 53.031 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.00 min  
Lab File: VW013042.D  
Acq: 16 Sep 2019 15:32

Tgt Ion:113 Resp: 131977  
Ion Ratio Lower Upper  
113 100  
111 101.9 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

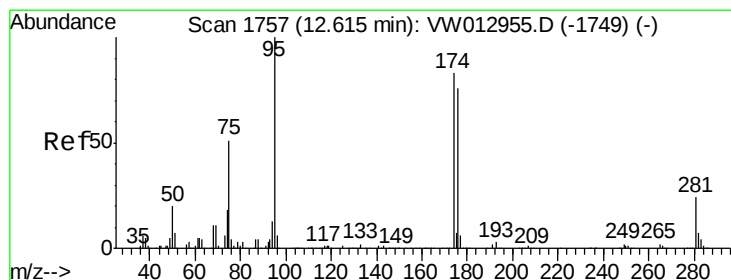
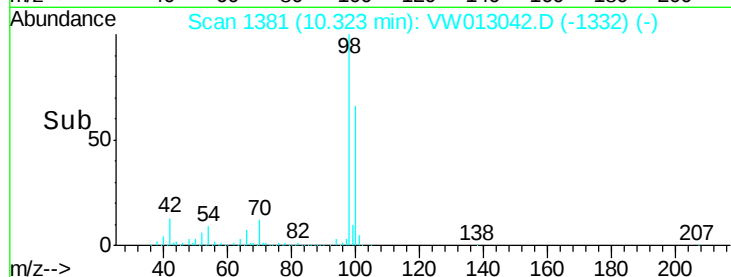
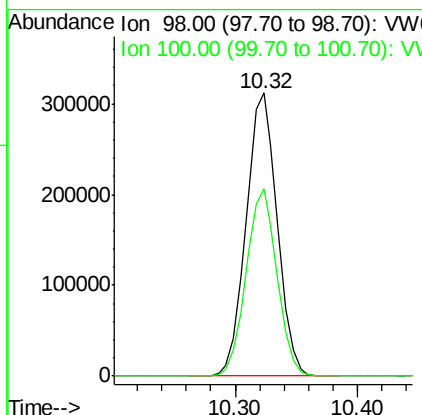
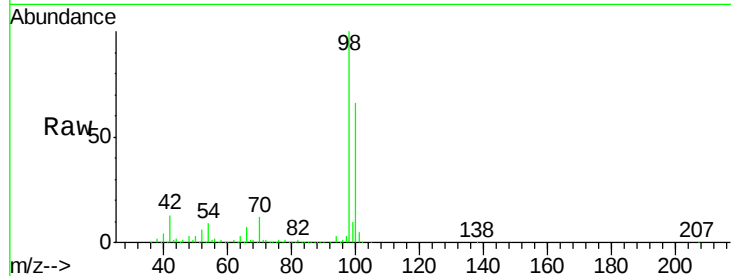




#50  
Toluene-d8  
Concen: 56.421 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW013042.D  
Acq: 16 Sep 2019 15:32

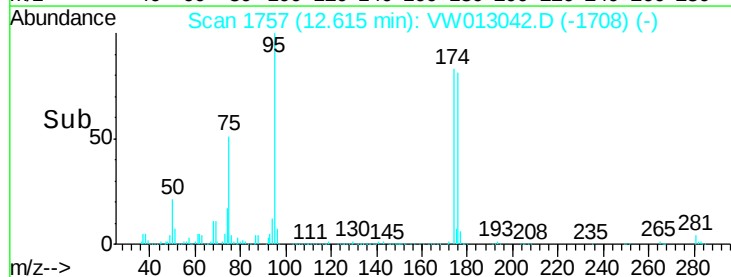
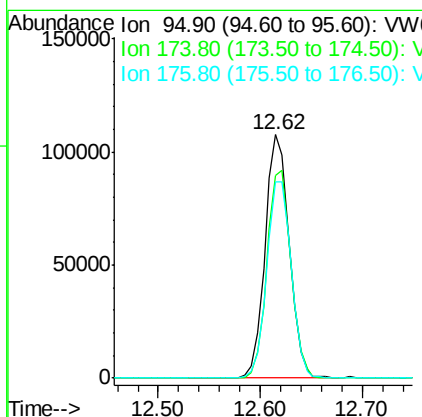
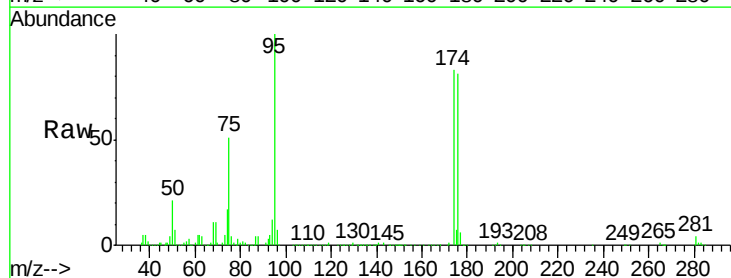
Instrument :  
MSVOA\_W  
ClientSampleId :  
ROLL-OFF-VOC-1

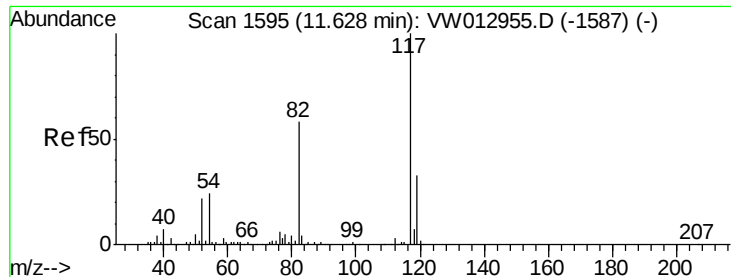
Tot Ion: 98 Resp: 549454  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 50.507 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW013042.D  
Acq: 16 Sep 2019 15:32

Tgt Ion: 95 Resp: 176865  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 170.4  
176 81.9 0.0 164.6

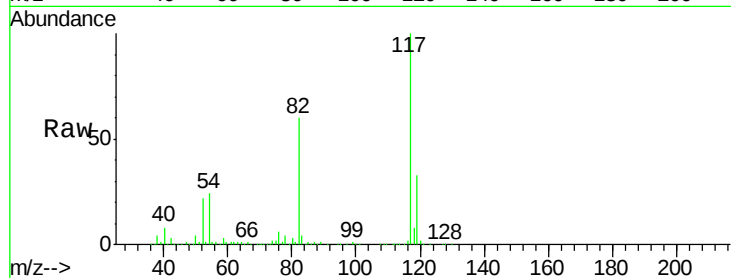




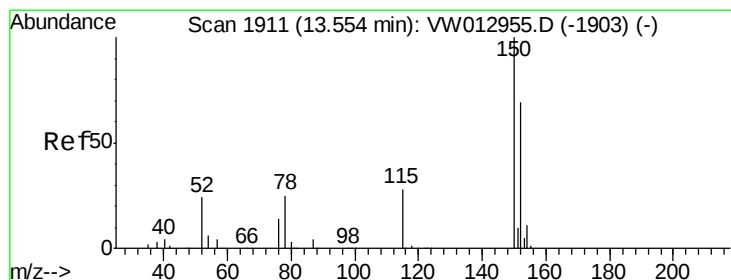
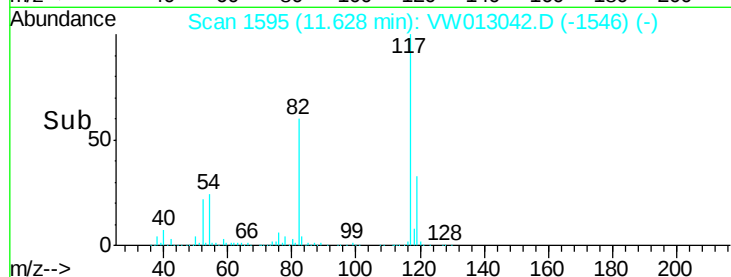
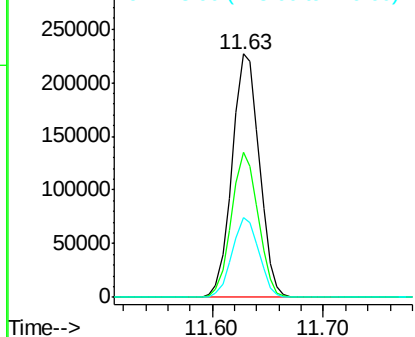
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW013042.D  
Acq: 16 Sep 2019 15:32

Instrument :  
MSVOA\_W  
ClientSampleId :  
ROLL-OFF-VOC-1

Tot Ion:117 Resp: 383883  
Ion Ratio Lower Upper  
117 100  
82 59.8 46.3 69.5  
119 32.6 26.2 39.4

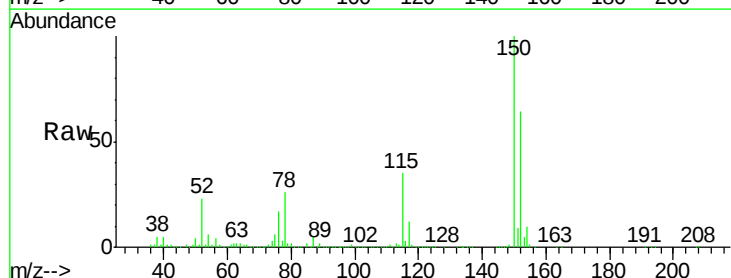


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.55 min Scan# 1911  
Delta R.T. -0.00 min  
Lab File: VW013042.D  
Acq: 16 Sep 2019 15:32

Tgt Ion:152 Resp: 166941  
Ion Ratio Lower Upper  
152 100  
115 57.7 28.8 86.4  
150 157.7 0.0 340.2



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

