

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\  
 Data File : VW013016.D  
 Acq On : 15 Sep 2019 02:43  
 Operator : SY/VA  
 Sample : K4764-02  
 Misc : 5.19G/5ML/MSVOA W/SOIL  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ROLL-OFF-VOC-2

Quant Time: Sep 16 09:30:40 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

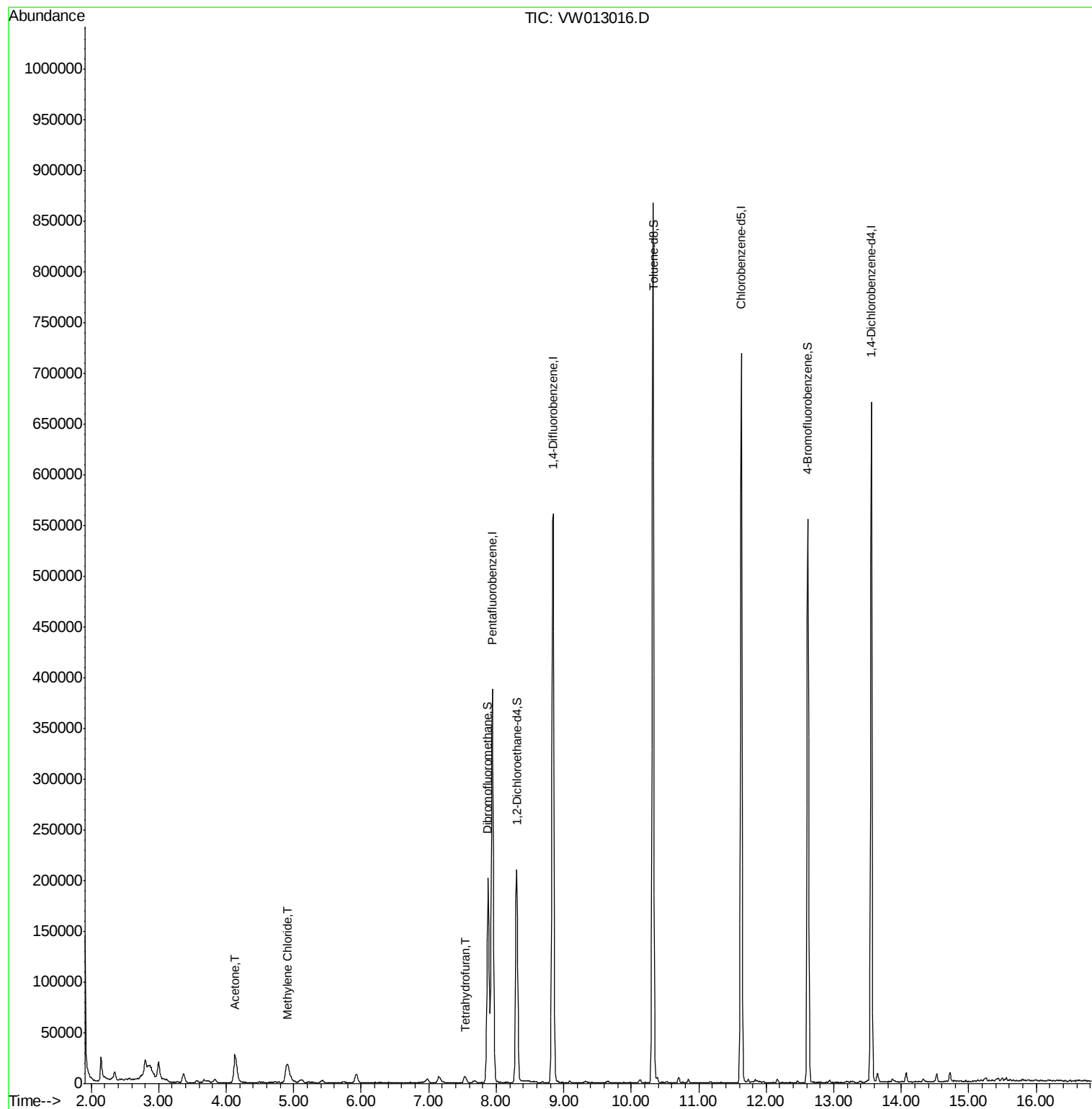
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.94  | 168  | 306300   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 477808   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 389614   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 174625   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 172062   | 60.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 121.64% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 139752   | 53.90  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.80% |          |
| 50) Toluene-d8              | 10.32 | 98   | 570361   | 56.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.44% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 181924   | 49.87  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.74%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 57129    | 79.757 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.90  | 84   | 14423    | 1.255  | ug/l    | 90       |
| 29) Tetrahydrofuran         | 7.54  | 42   | 5705     | 11.131 | ug/l    | 95       |

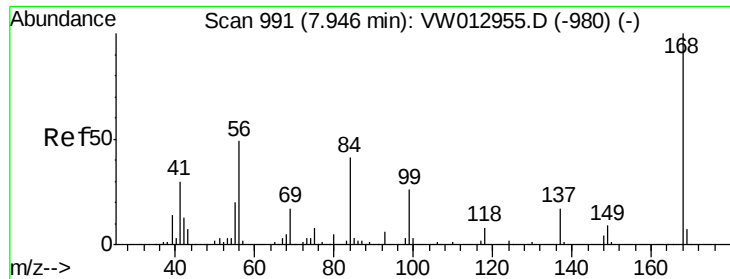
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\  
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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: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013016.D

Acq: 15 Sep 2019 02:43

Instrument :

MSVOA\_W

ClientSampleId :

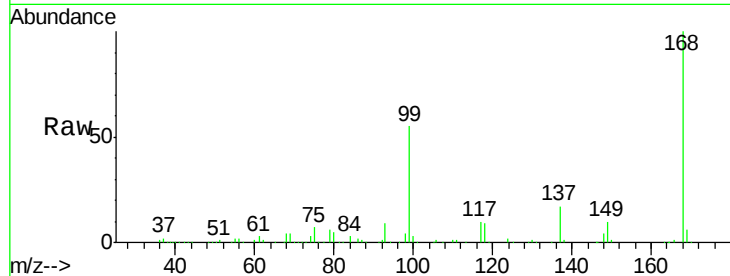
ROLL-OFF-VOC-2

Tot Ion:168 Resp: 306300

Ion Ratio Lower Upper

168 100

99 54.6 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

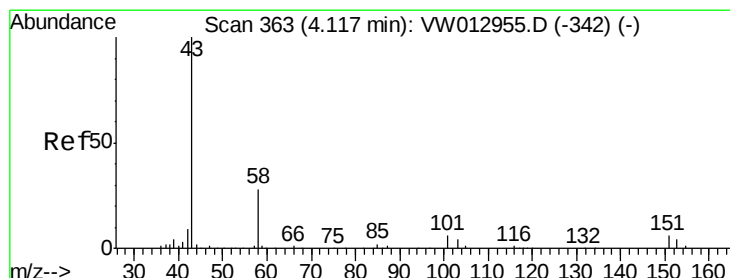
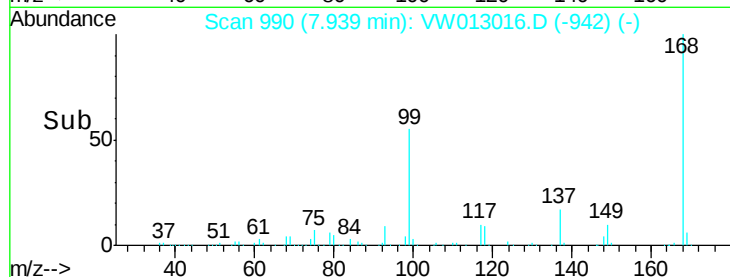
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 79.757 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013016.D

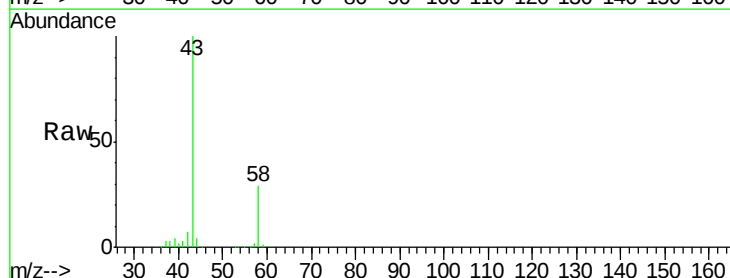
Acq: 15 Sep 2019 02:43

Tgt Ion: 43 Resp: 57129

Ion Ratio Lower Upper

43 100

58 28.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

20000

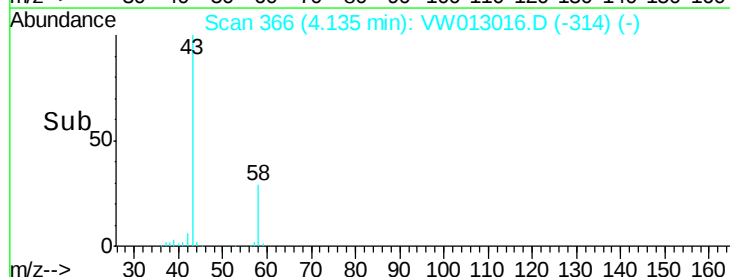
15000

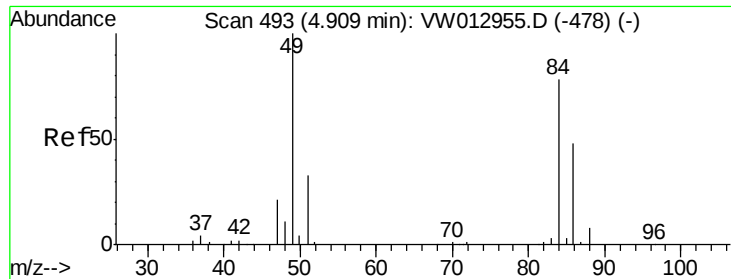
10000

5000

0

Time--> 4.00 4.10 4.20

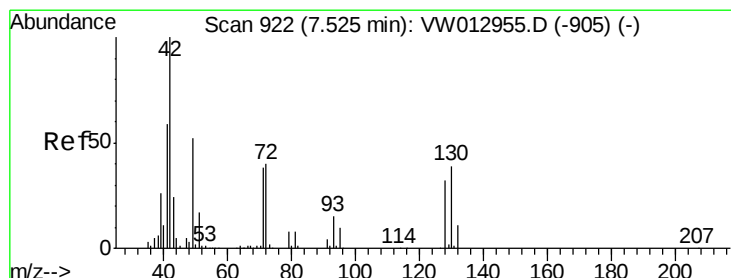
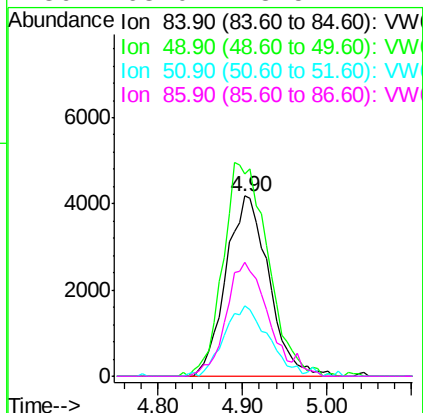
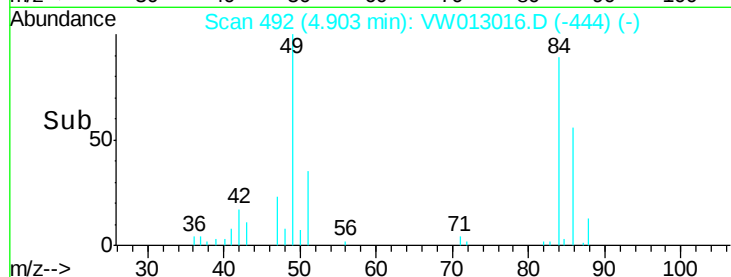
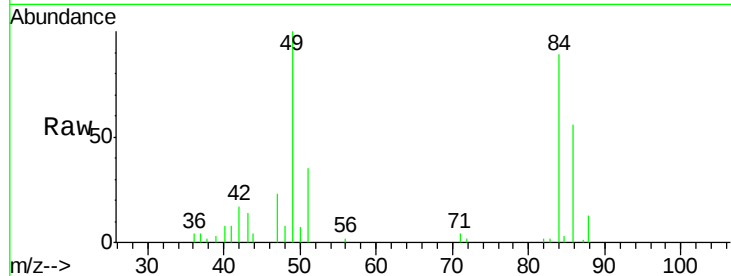




#20  
Methylene Chloride  
Concen: 1.255 ug/l  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW013016.D  
Acq: 15 Sep 2019 02:43

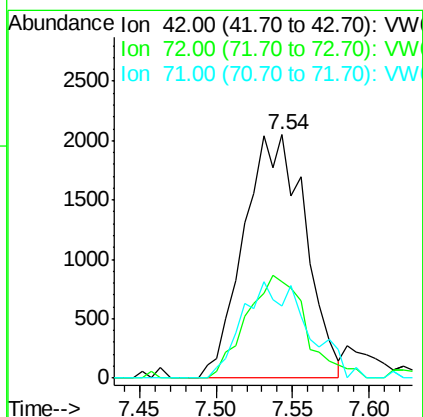
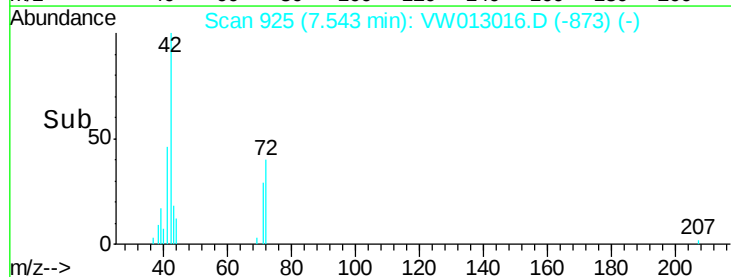
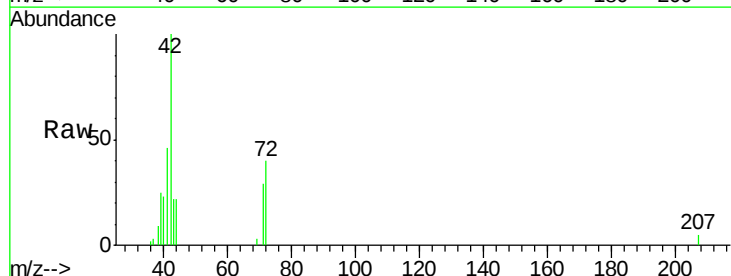
Instrument :  
MSVOA\_W  
ClientSampleId :  
ROLL-OFF-VOC-2

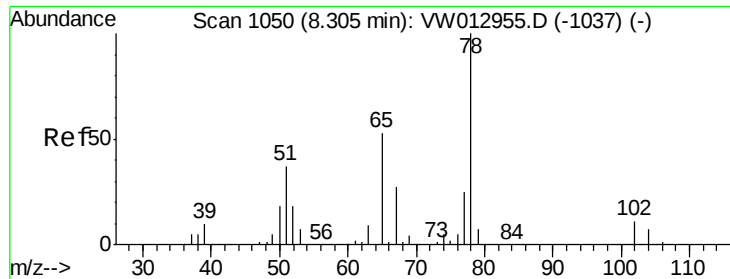
Tot Ion: 84 Resp: 14423  
Ion Ratio Lower Upper  
84 100  
49 112.1 102.0 153.0  
51 37.3 34.0 51.0  
86 63.0 48.5 72.7



#29  
Tetrahydrofuran  
Concen: 11.131 ug/l  
RT: 7.54 min Scan# 925  
Delta R.T. 0.02 min  
Lab File: VW013016.D  
Acq: 15 Sep 2019 02:43

Tgt Ion: 42 Resp: 5705  
Ion Ratio Lower Upper  
42 100  
72 40.8 31.4 47.0  
71 41.5 29.8 44.8

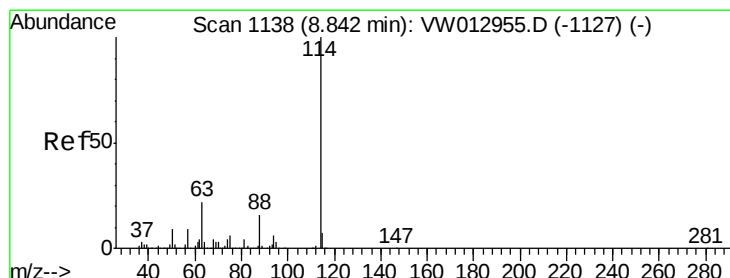
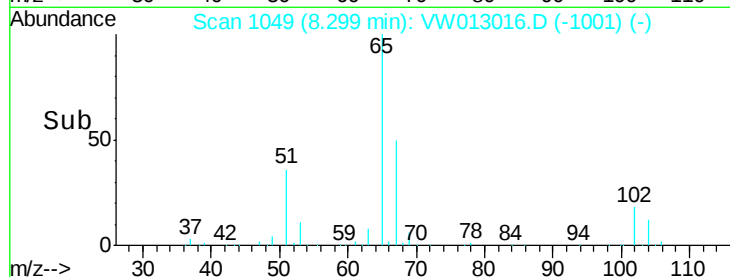
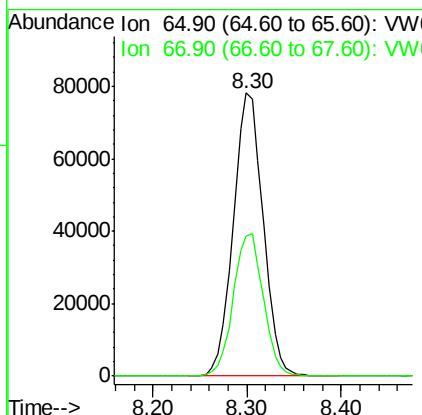
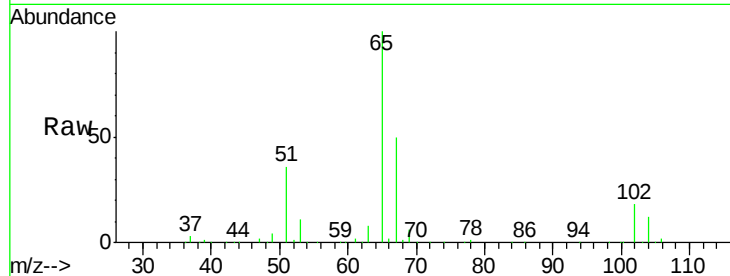




#33  
 1,2-Dichloroethane-d4  
 Concen: 60.823 ug/l  
 RT: 8.30 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: VW013016.D  
 Acq: 15 Sep 2019 02:43

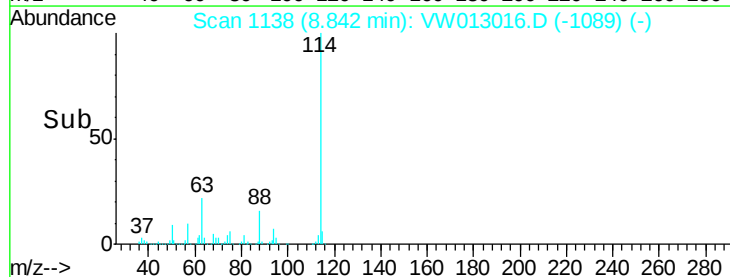
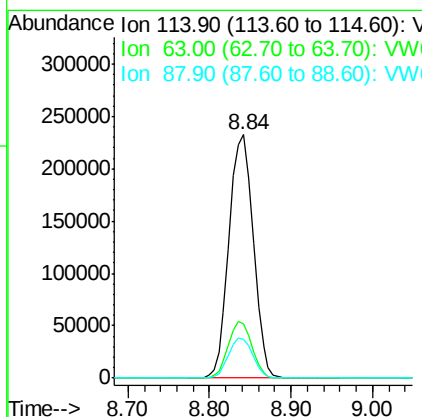
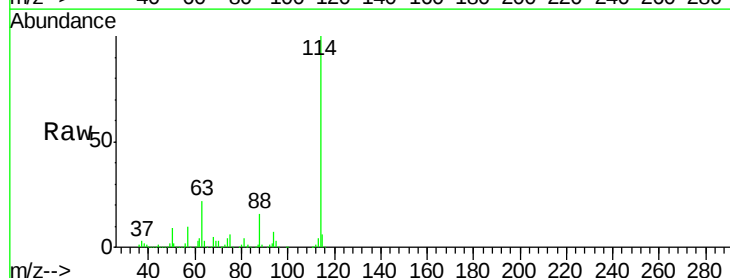
Instrument :  
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 ROLL-OFF-VOC-2

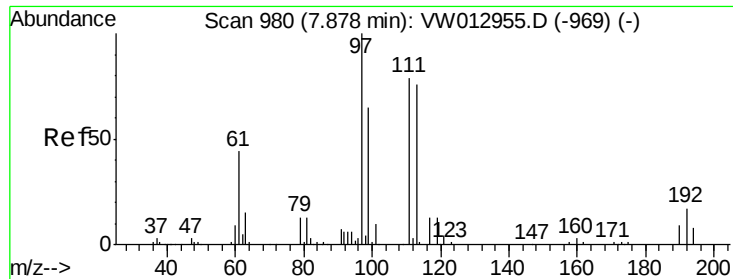
Tot Ion: 65 Resp: 172062  
 Ion Ratio Lower Upper  
 65 100  
 67 50.8 0.0 101.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW013016.D  
 Acq: 15 Sep 2019 02:43

Tgt Ion: 114 Resp: 477808  
 Ion Ratio Lower Upper  
 114 100  
 63 22.4 0.0 43.4  
 88 15.7 0.0 31.6

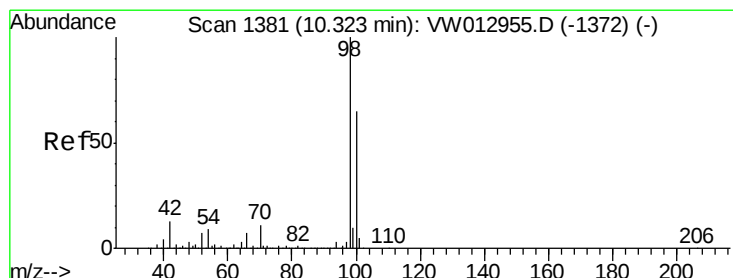
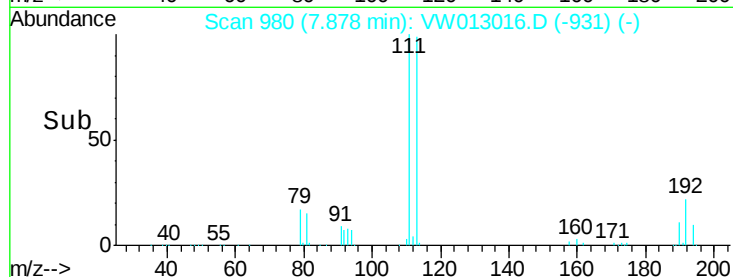
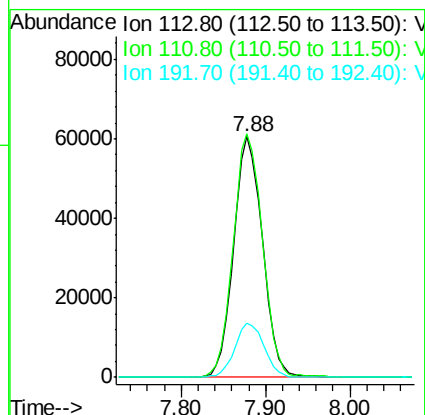
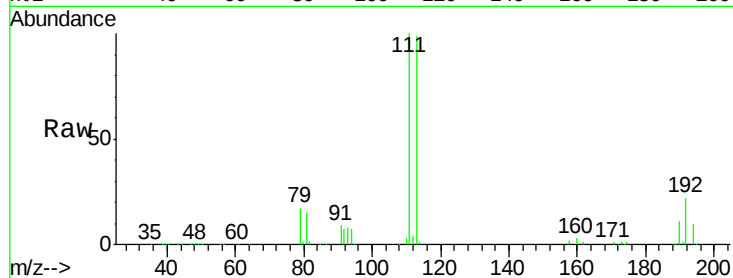




#35  
 Dibromofluoromethane  
 Concen: 53.903 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.00 min  
 Lab File: VW013016.D  
 Acq: 15 Sep 2019 02:43

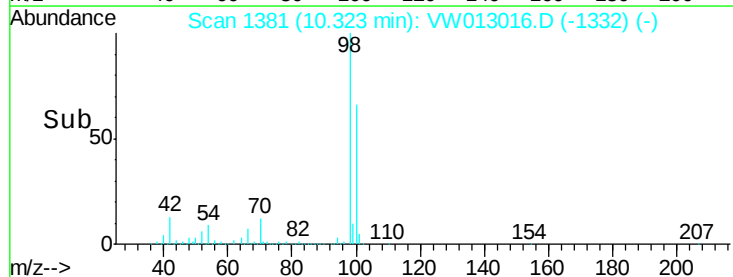
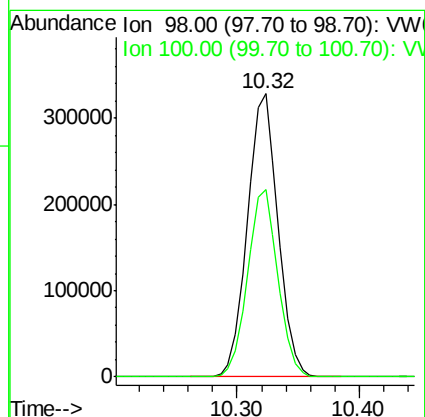
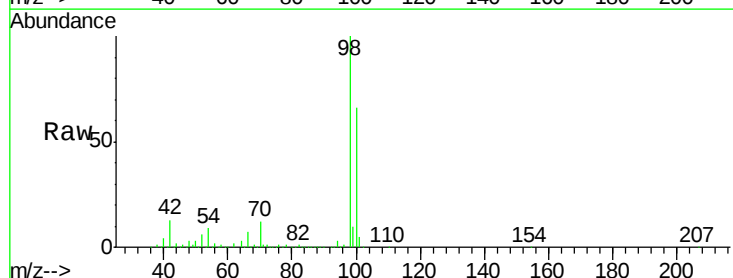
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ROLL-OFF-VOC-2

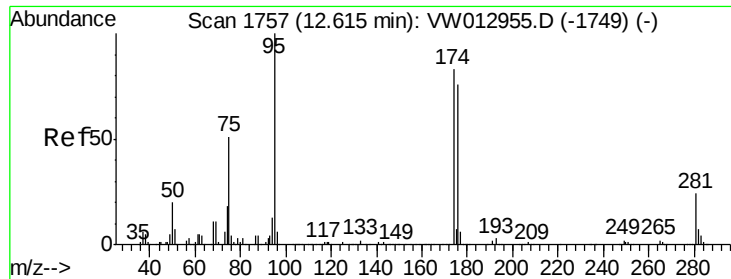
Tot Ion:113 Resp: 139752  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 82.8 124.2  
 192 22.9 17.8 26.8



#50  
 Toluene-d8  
 Concen: 56.219 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. -0.00 min  
 Lab File: VW013016.D  
 Acq: 15 Sep 2019 02:43

Tgt Ion: 98 Resp: 570361  
 Ion Ratio Lower Upper  
 98 100  
 100 65.6 52.1 78.1

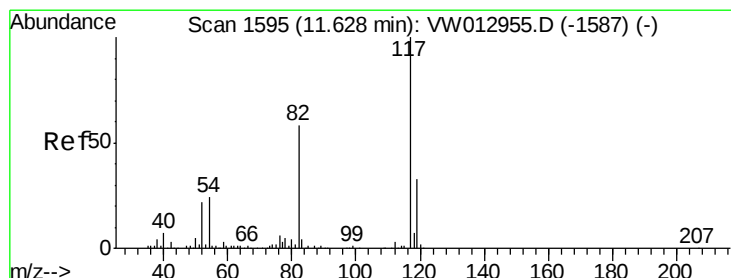
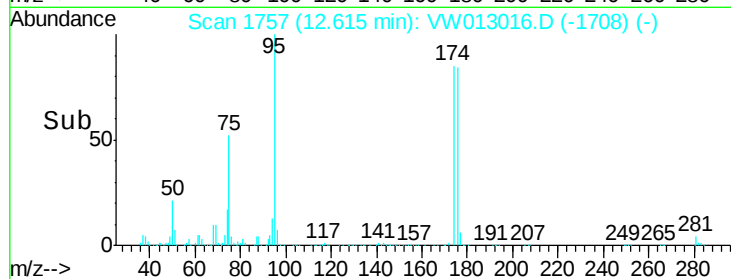
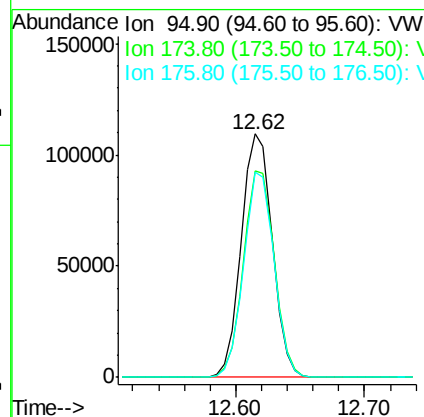
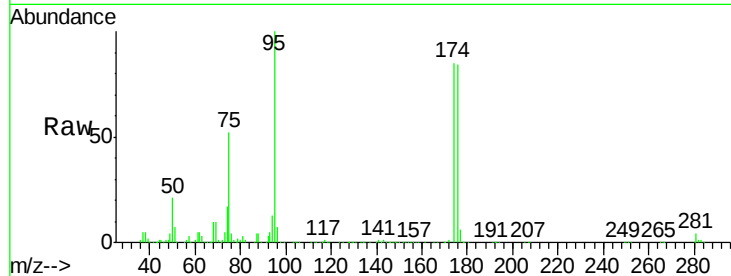




#62  
4-Bromofluorobenzene  
Concen: 49.869 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW013016.D  
Acq: 15 Sep 2019 02:43

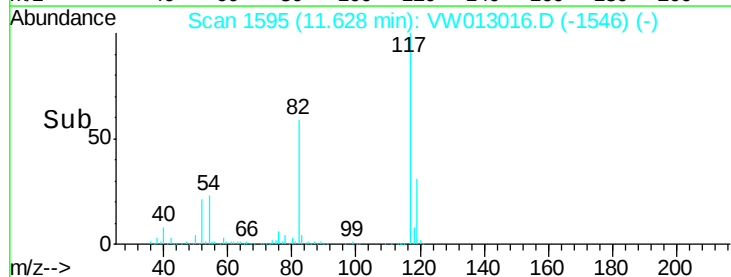
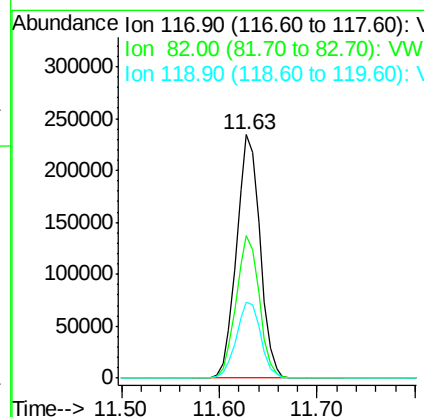
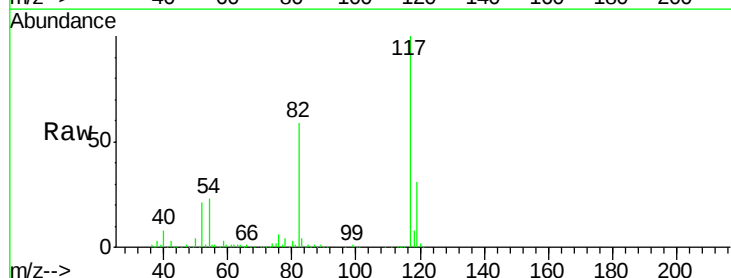
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ClientSampleId :  
ROLL-OFF-VOC-2

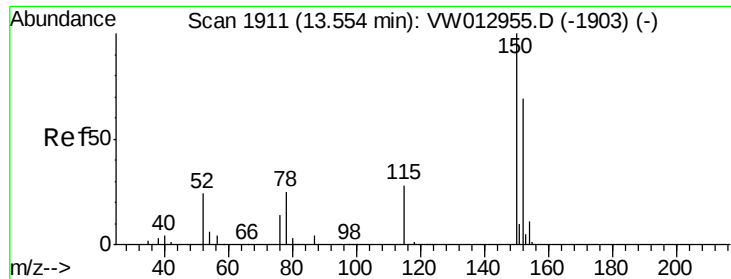
Tot Ion: 95 Resp: 181924  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 170.4  
176 82.4 0.0 164.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW013016.D  
Acq: 15 Sep 2019 02:43

Tgt Ion: 117 Resp: 389614  
Ion Ratio Lower Upper  
117 100  
82 58.6 46.3 69.5  
119 31.1 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: VW013016.D

Acq: 15 Sep 2019 02:43

Instrument :

MSVOA\_W

ClientSampleId :

ROLL-OFF-VOC-2

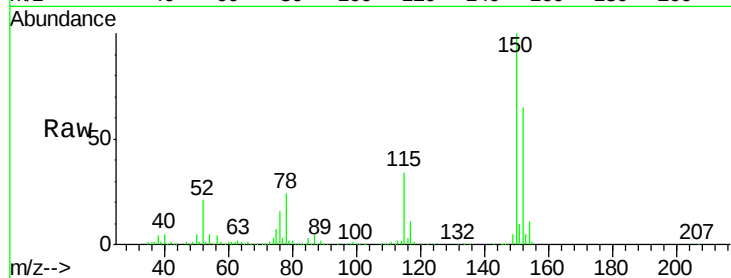
Tot Ion:152 Resp: 174625

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.4

150 157.1 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

