

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092218\  
 Data File : VW005572.D  
 Acq On : 21 Sep 2018 20:24  
 Operator : VA/AP  
 Sample : J4777-15  
 Misc : 5.13G/5ML/MSVOA W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PL-02-0920-18-C

Quant Time: Sep 21 23:52:13 2018  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W092118S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 21 09:05:42 2018  
 Response via : Initial Calibration

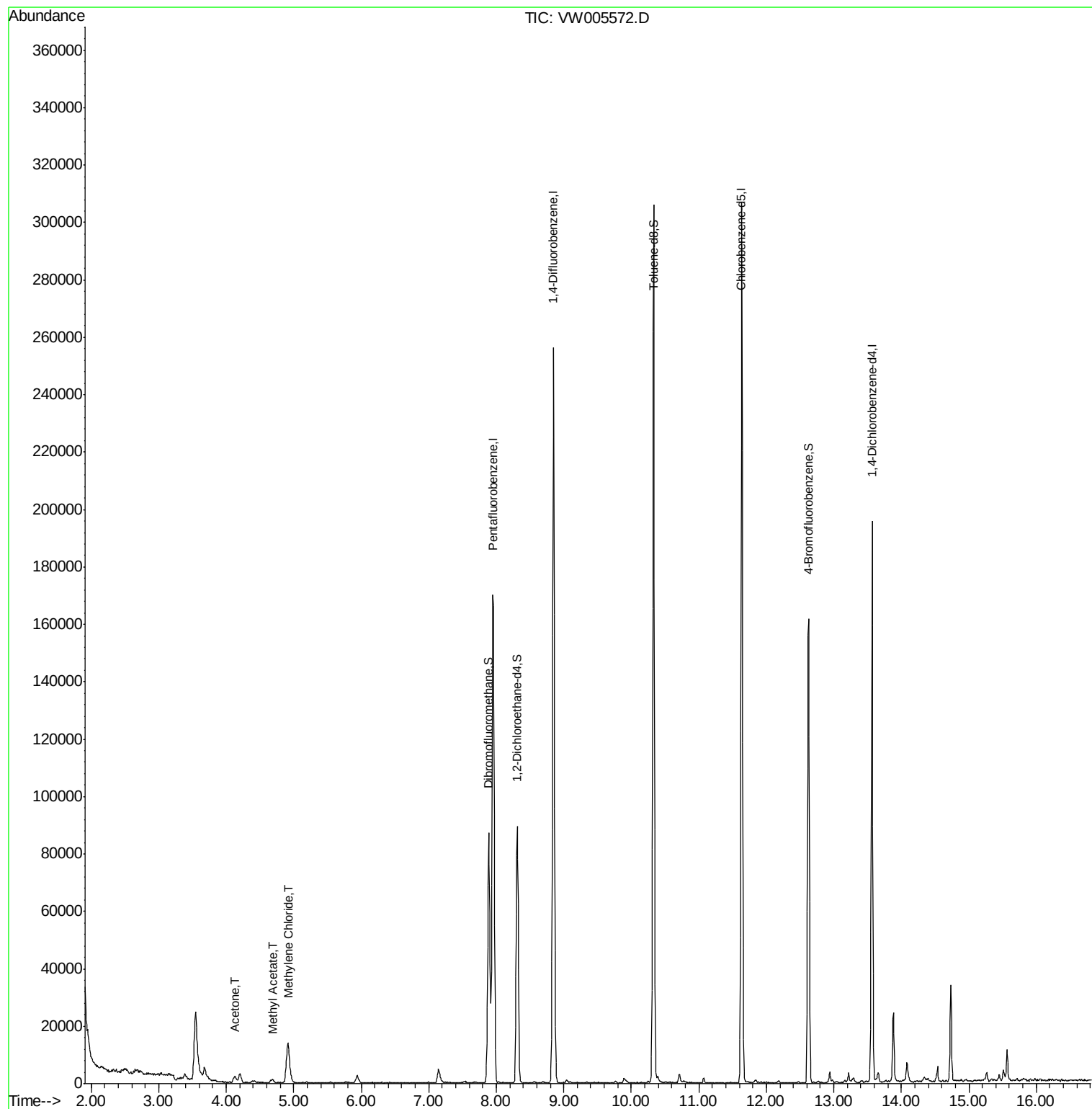
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.96  | 168  | 127216   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 205037   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 167883   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 51534    | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 73452    | 49.01  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.02% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 59500    | 46.15  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.30% |          |
| 50) Toluene-d8              | 10.33 | 98   | 195428   | 37.22  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 74.44% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 49656    | 25.56  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 51.12% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 4.12  | 43   | 4499     | 10.038 | ug/l   | 90       |
| 18) Methyl Acetate          | 4.68  | 43   | 2506     | 3.528  | ug/l # | 57       |
| 20) Methylene Chloride      | 4.92  | 84   | 11637    | 5.447  | ug/l # | 87       |

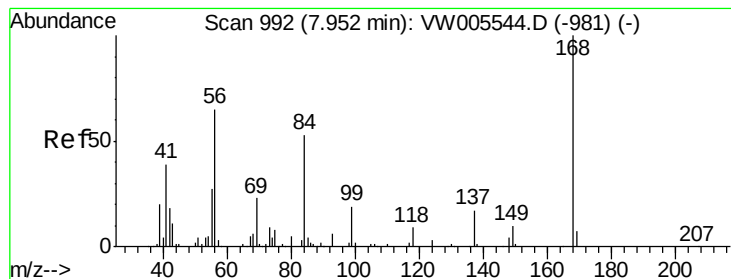
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005572.D

Acq: 21 Sep 2018 20:24

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MSVOA\_W

ClientSampleId :

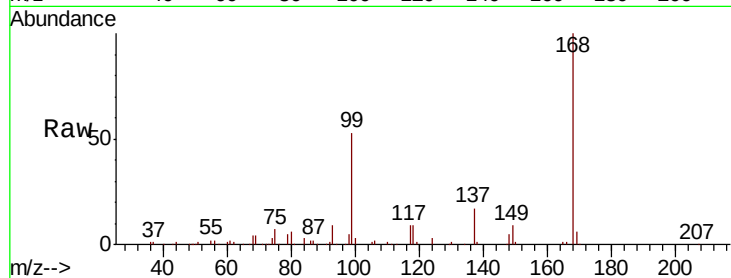
PL-02-0920-18-C

Tot Ion:168 Resp: 127216

Ion Ratio Lower Upper

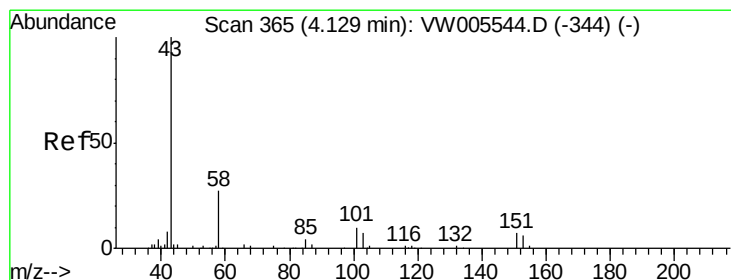
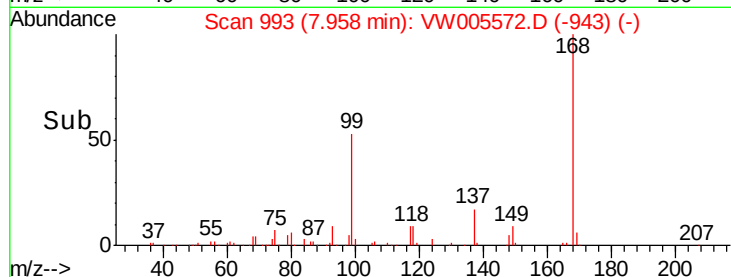
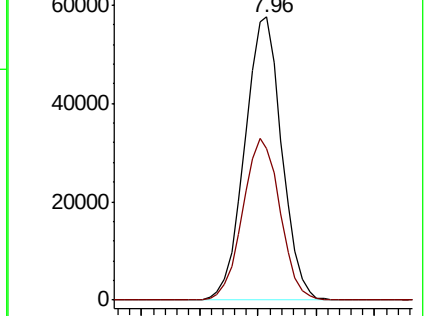
168 100

99 53.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 10.038 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005572.D

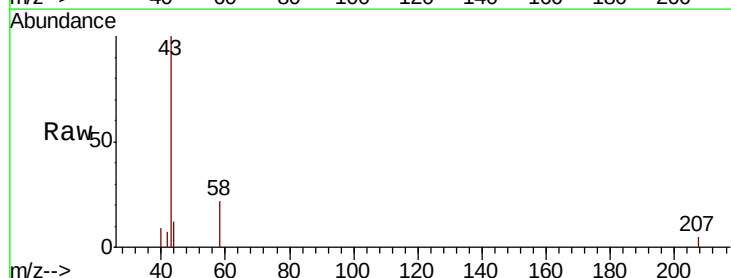
Acq: 21 Sep 2018 20:24

Tgt Ion: 43 Resp: 4499

Ion Ratio Lower Upper

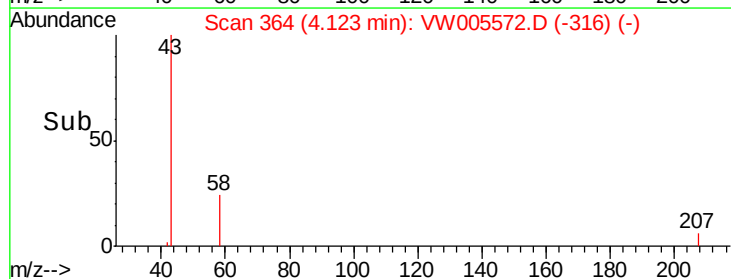
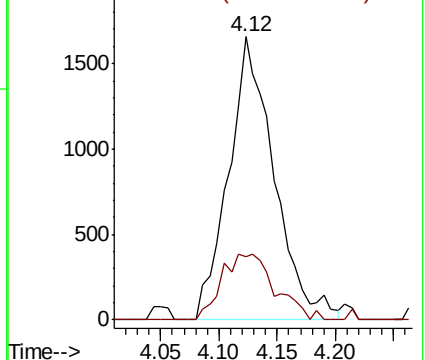
43 100

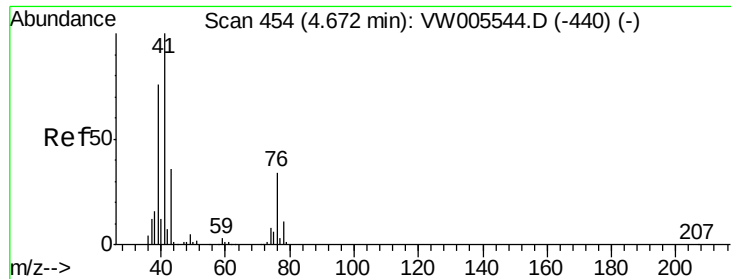
58 22.1 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

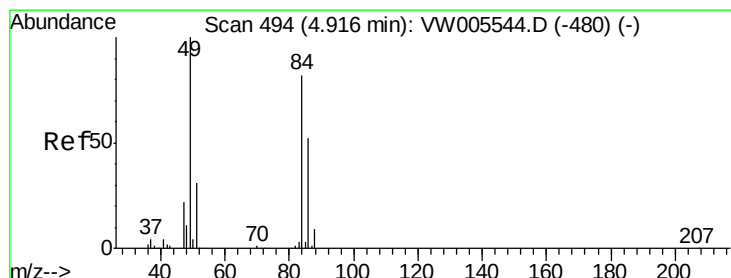
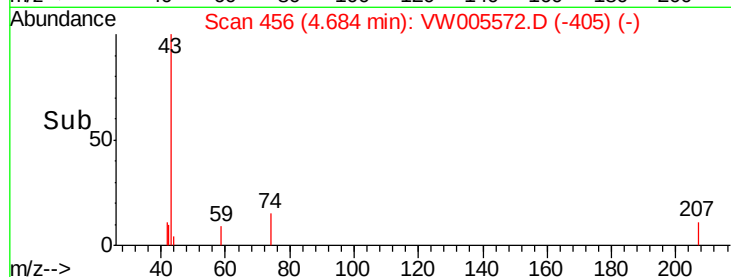
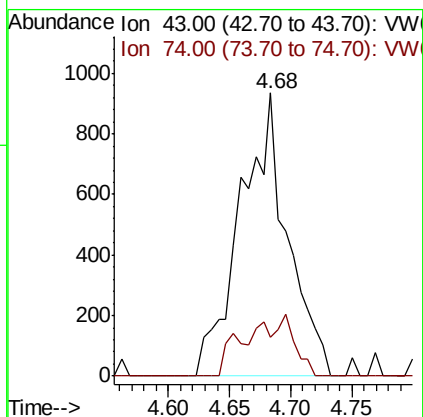
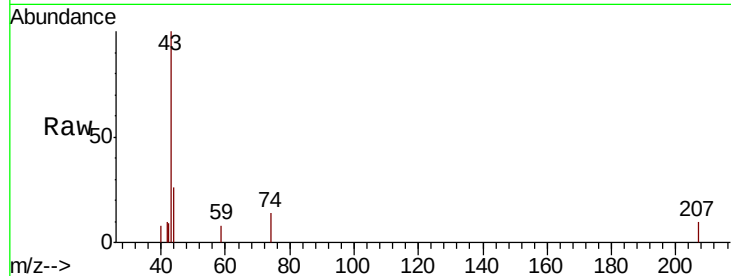




#18  
Methyl Acetate  
Concen: 3.528 ug/l  
RT: 4.68 min Scan# 456  
Delta R.T. 0.01 min  
Lab File: VW005572.D  
Acq: 21 Sep 2018 20:24

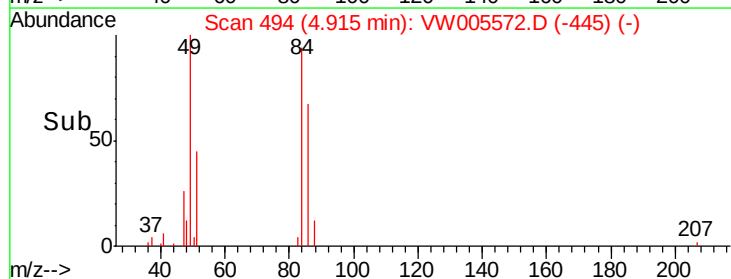
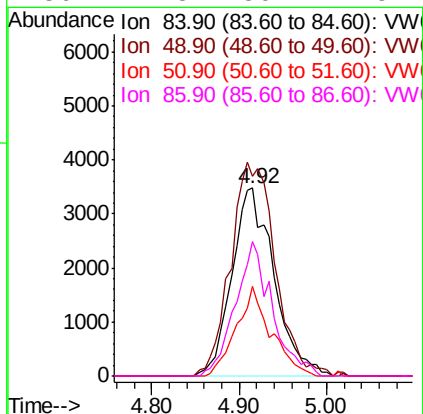
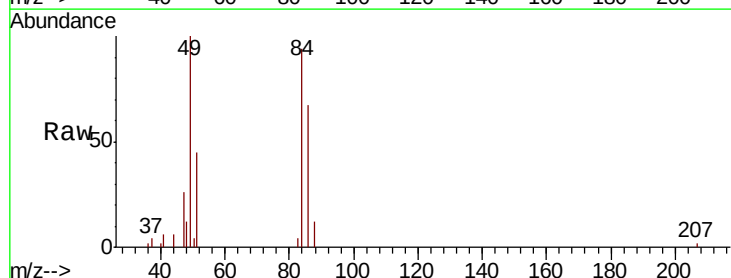
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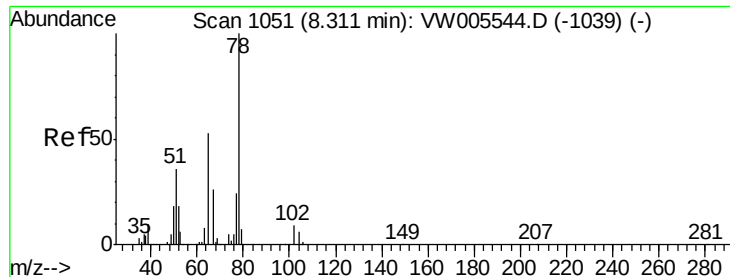
Tot Ion: 43 Resp: 2506  
Ion Ratio Lower Upper  
43 100  
74 2.8 19.2 28.8#



#20  
Methylene Chloride  
Concen: 5.447 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW005572.D  
Acq: 21 Sep 2018 20:24

Tgt Ion: 84 Resp: 11637  
Ion Ratio Lower Upper  
84 100  
49 106.4 97.0 145.6  
51 47.4 30.2 45.2#  
86 71.8 50.2 75.4

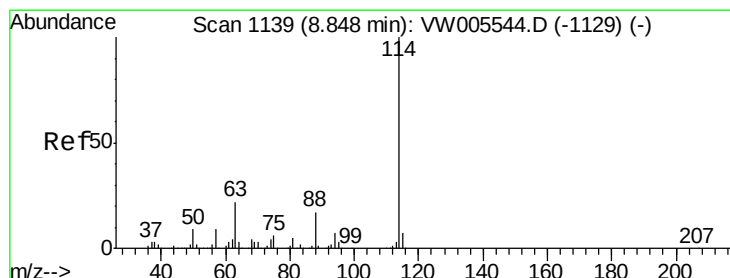
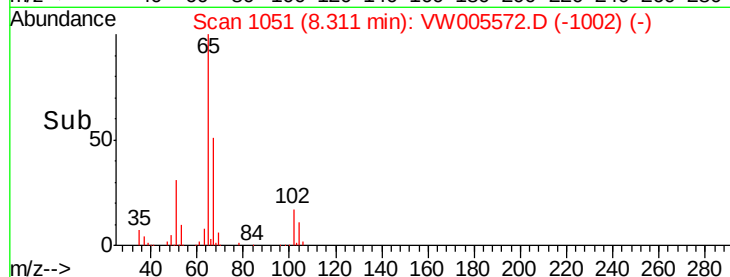
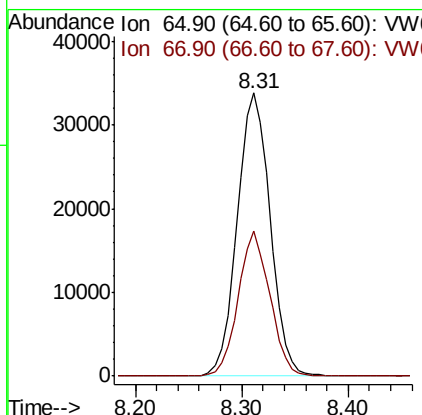
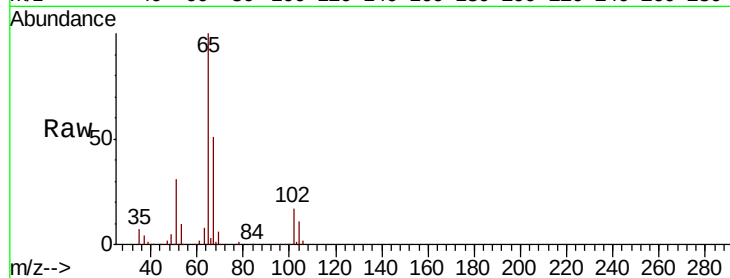




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.011 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW005572.D  
 Acq: 21 Sep 2018 20:24

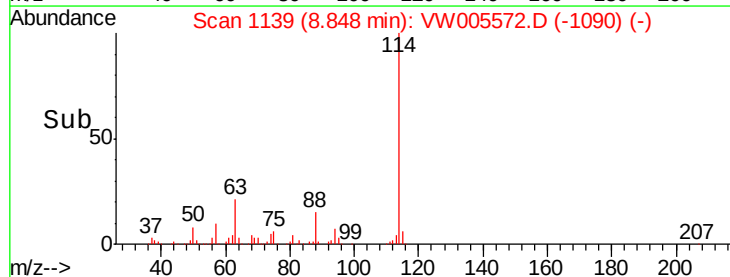
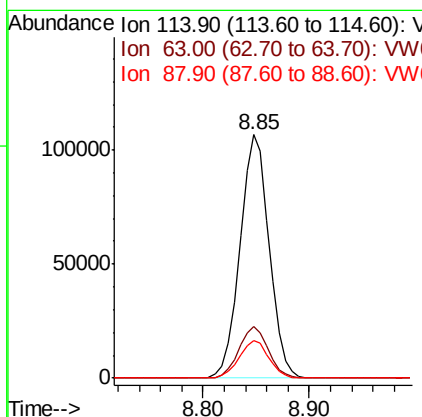
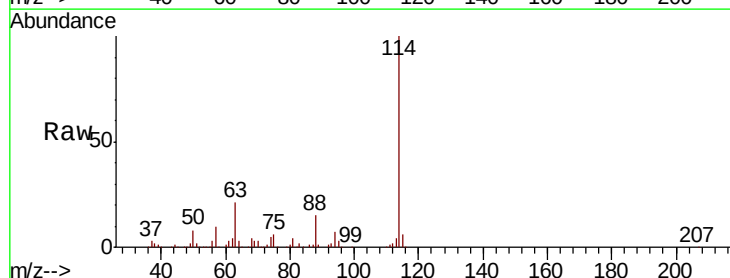
Instrument :  
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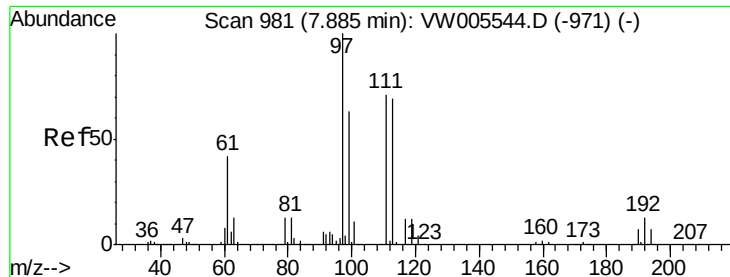
Tot Ion: 65 Resp: 73452  
 Ion Ratio Lower Upper  
 65 100  
 67 49.2 0.0 100.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW005572.D  
 Acq: 21 Sep 2018 20:24

Tgt Ion: 114 Resp: 205037  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 0.0 43.0  
 88 15.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 46.146 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005572.D

Acq: 21 Sep 2018 20:24

Instrument :

MSVOA\_W

ClientSampleId :

PL-02-0920-18-C

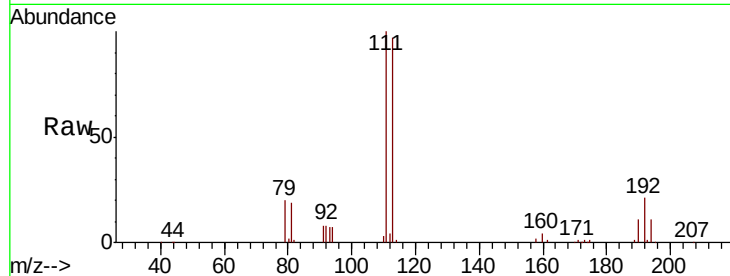
Tot Ion:113 Resp: 59500

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

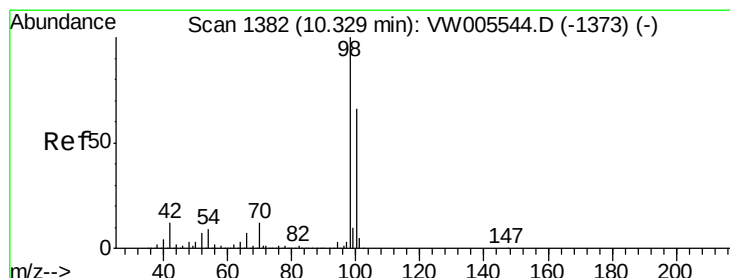
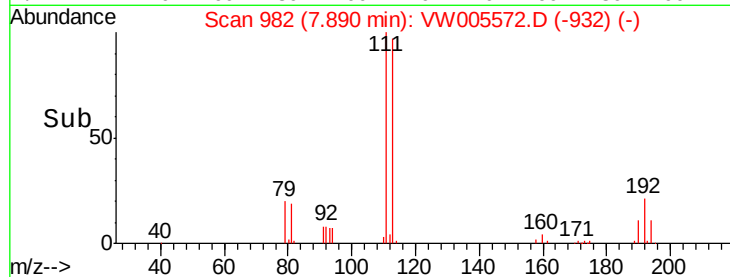
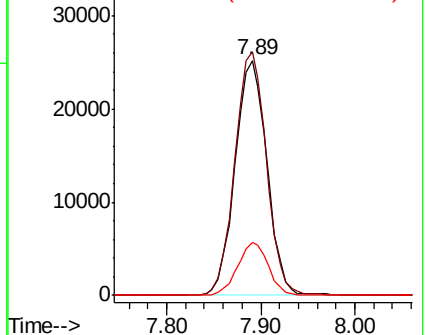
192 21.4 17.0 25.4



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: 37.223 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005572.D

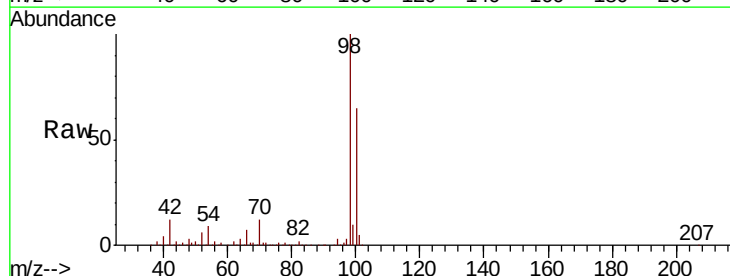
Acq: 21 Sep 2018 20:24

Tgt Ion: 98 Resp: 195428

Ion Ratio Lower Upper

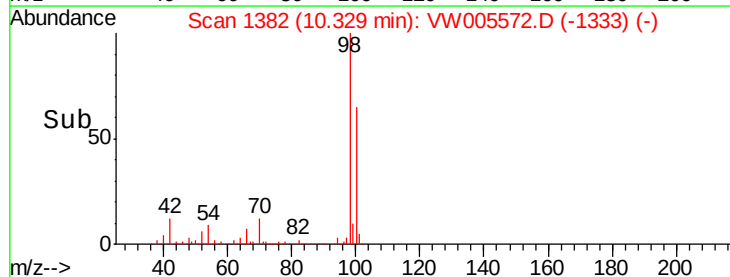
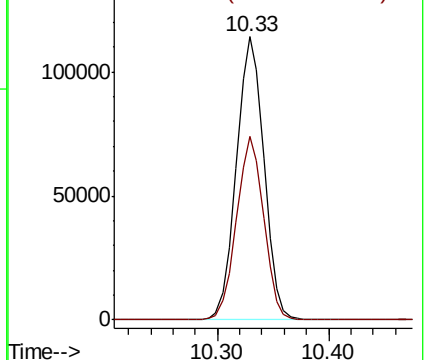
98 100

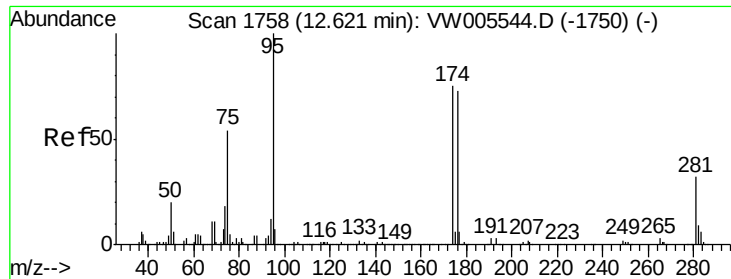
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

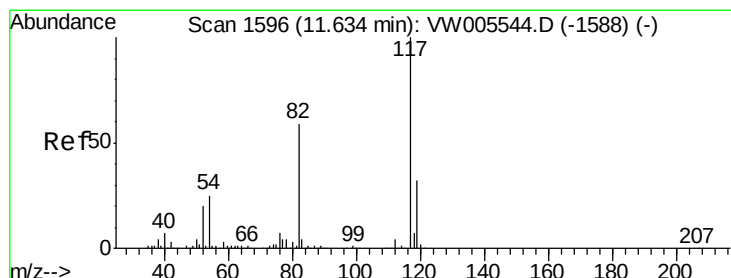
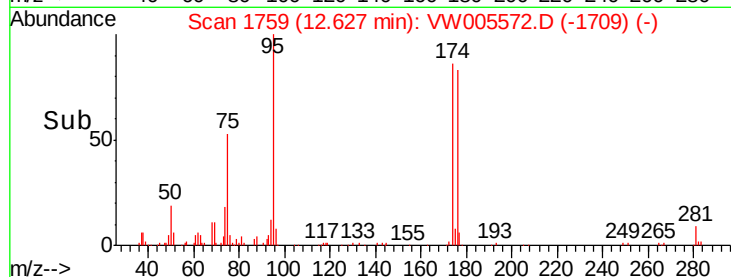
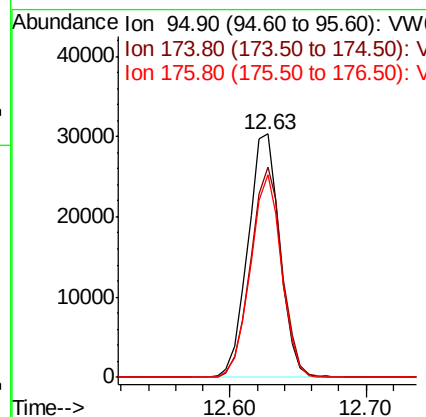
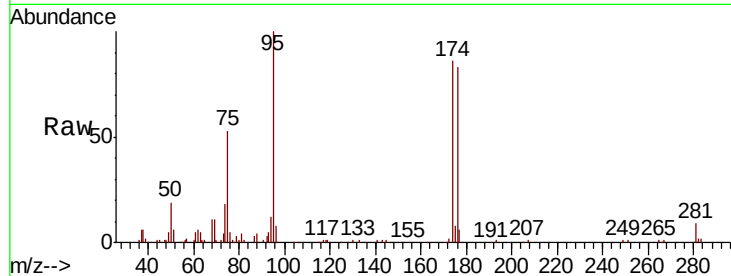




#62  
4-Bromofluorobenzene  
Concen: 25.561 ug/l  
RT: 12.63 min Scan# 1759  
Delta R.T. 0.01 min  
Lab File: VW005572.D  
Acq: 21 Sep 2018 20:24

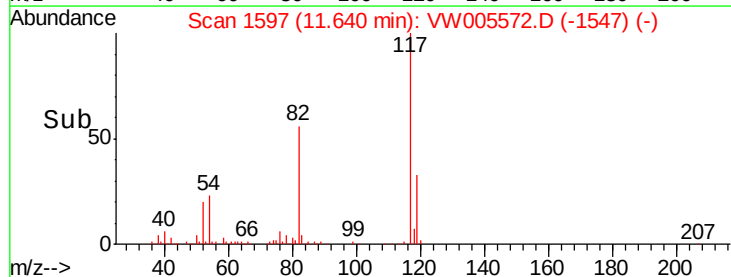
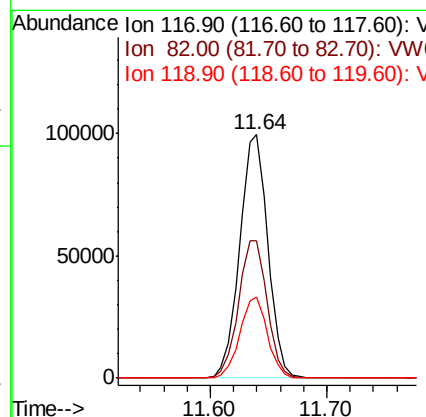
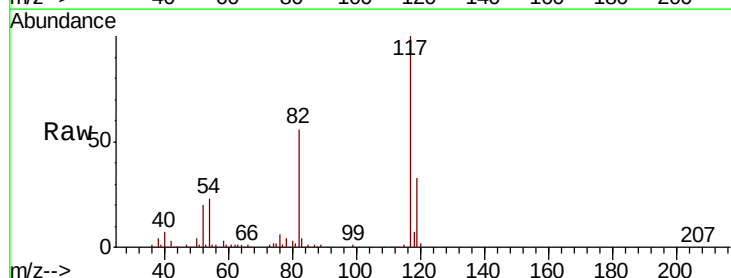
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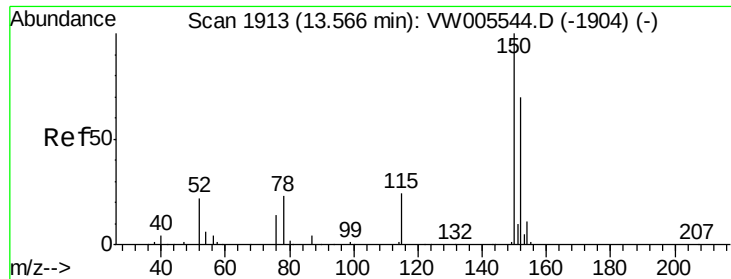
Tot Ion: 95 Resp: 49656  
Ion Ratio Lower Upper  
95 100  
174 85.7 0.0 163.8  
176 81.3 0.0 158.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1597  
Delta R.T. 0.01 min  
Lab File: VW005572.D  
Acq: 21 Sep 2018 20:24

Tgt Ion: 117 Resp: 167883  
Ion Ratio Lower Upper  
117 100  
82 56.5 46.9 70.3  
119 33.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005572.D

Acq: 21 Sep 2018 20:24

Instrument :

MSVOA\_W

ClientSampleId :

PL-02-0920-18-C

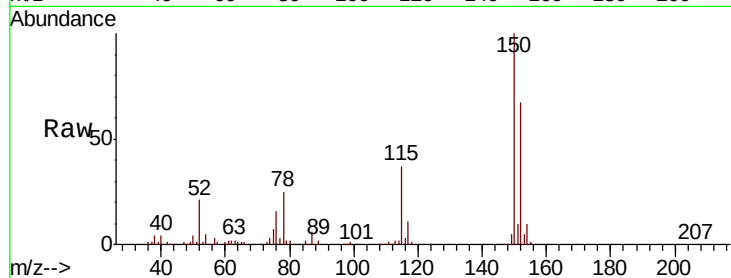
Tot Ion:152 Resp: 51534

Ion Ratio Lower Upper

152 100

115 55.9 30.0 90.0

150 155.7 0.0 348.6



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

