

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW050818\  
 Data File : VW002306.D  
 Acq On : 08 May 2018 20:13  
 Operator : JC/SY  
 Sample : J2711-01RE  
 Misc : 5.39G/5ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 4215RE

Quant Time: May 09 08:37:57 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W050818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 08 03:57:58 2018  
 Response via : Initial Calibration

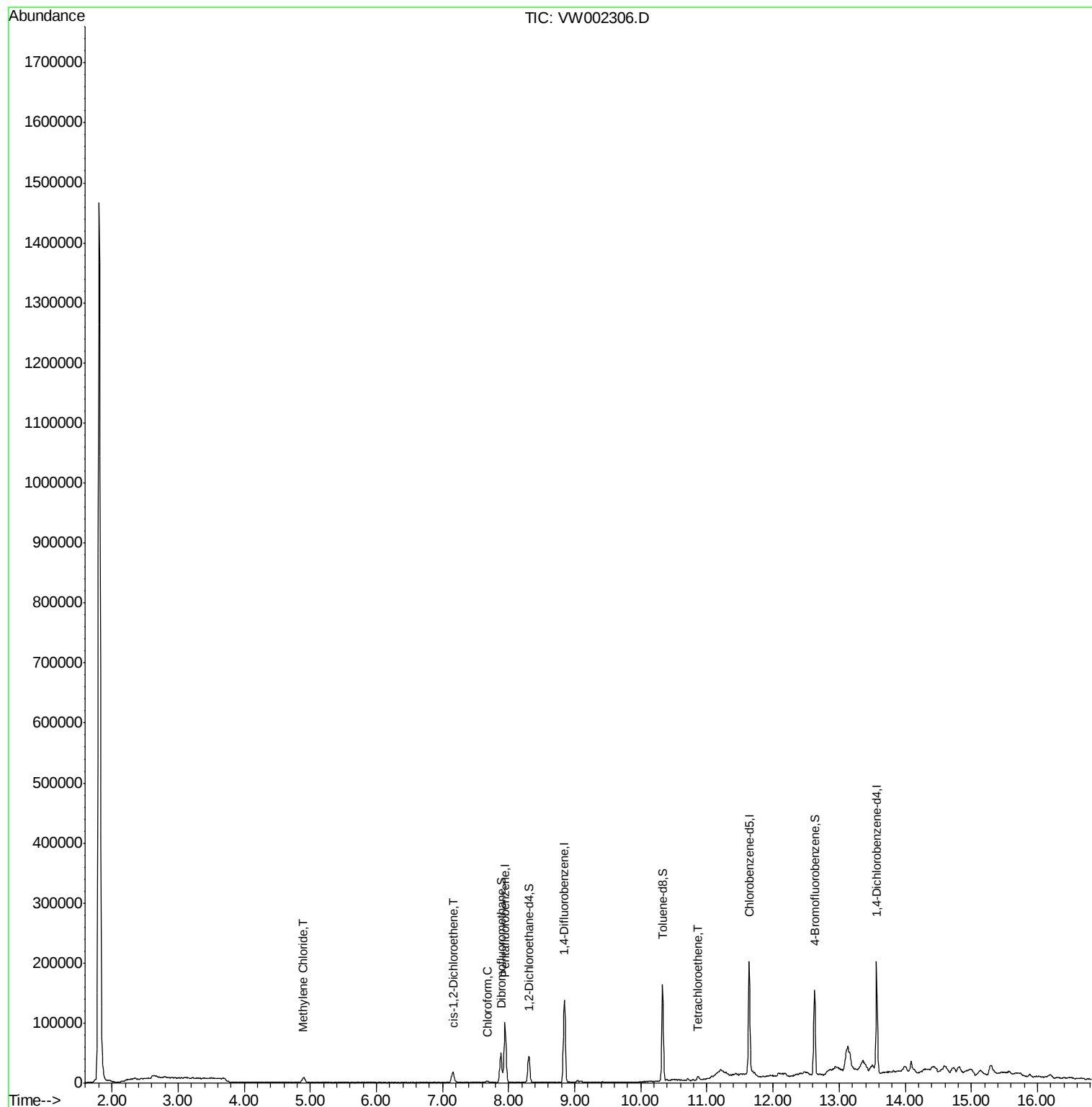
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 78427    | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84   | 114  | 115425   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.64  | 117  | 102655   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57  | 152  | 48410    | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65   | 34120    | 40.97 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 81.94% |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 32474    | 43.89 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 87.78% |          |
| 50) Toluene-d8              | 10.33  | 98   | 105695   | 37.46 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 74.92% |          |
| 62) 4-Bromofluorobenzene    | 12.63  | 95   | 38926    | 38.18 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 76.36% |          |
| Target Compounds            |        |      |          |       |        |          |
| 20) Methylene Chloride      | 4.90   | 84   | 6385     | 8.14  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene  | 7.17   | 96   | 1838     | 2.13  | ug/l   | 84       |
| 30) Chloroform              | 7.68   | 83   | 2018     | 1.39  | ug/l   | 92       |
| 64) Tetrachloroethene       | 10.87  | 164  | 1458     | 1.85  | ug/l # | 84       |

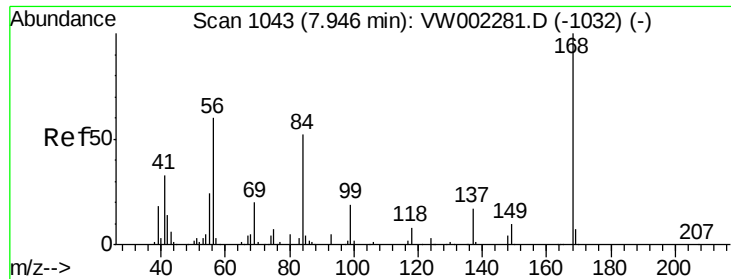
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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4215RE

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Quant Title : SW846 8260  
QLast Update : Tue May 08 03:57:58 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

Instrument :

MSVOA\_W

ClientSampled :

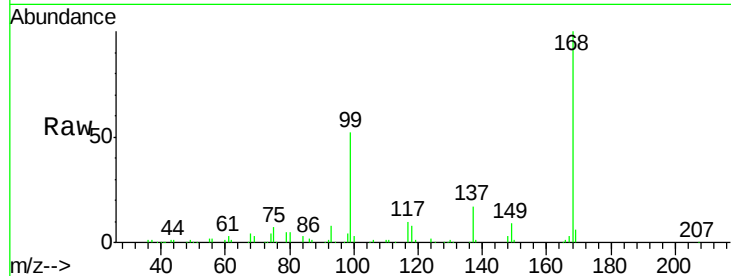
4215RE

Tot Ion:168 Resp: 78427

Ion Ratio Lower Upper

168 100

99 52.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

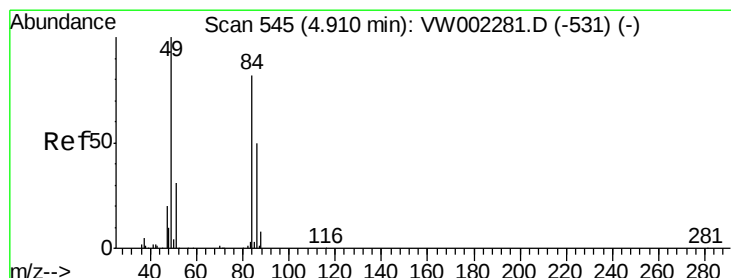
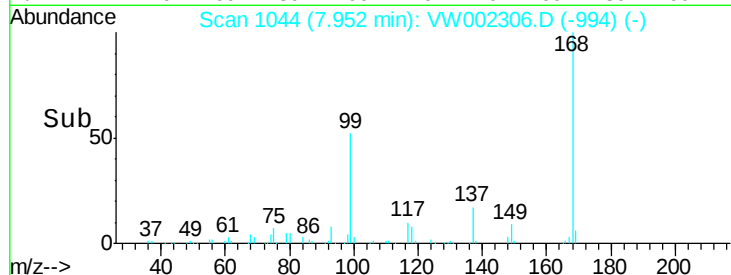
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#20

Methylene Chloride

Concen: 8.14 ug/l

RT: 4.90 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

Tgt Ion: 84 Resp: 6385

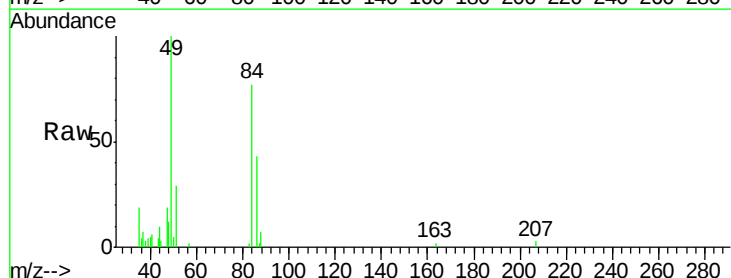
Ion Ratio Lower Upper

84 100

49 126.3 97.7 146.5

51 37.2 30.2 45.4

86 55.2 48.9 73.3



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4.90

4000

3000

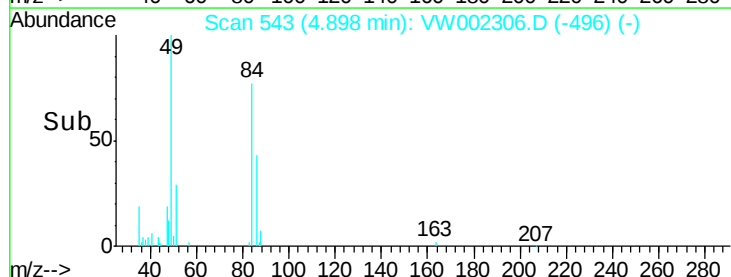
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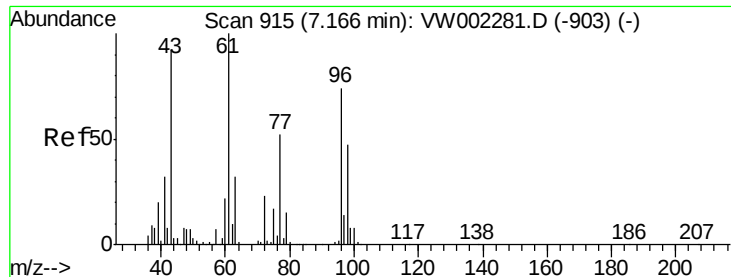
1000

0

4.80 4.85 4.90 4.95 5.00

Time-->

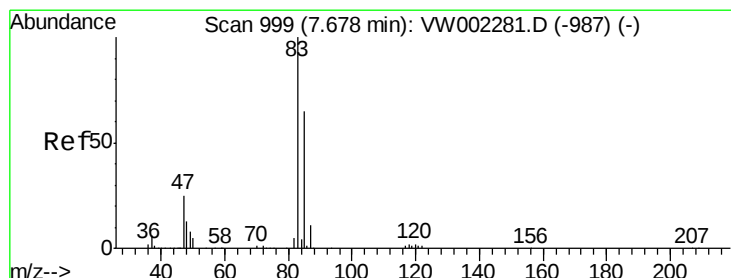
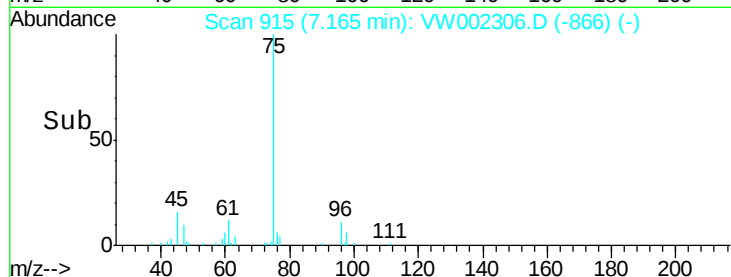
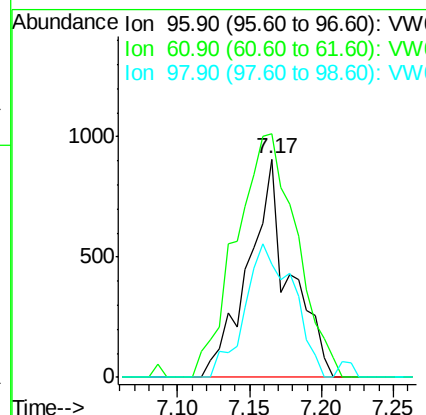
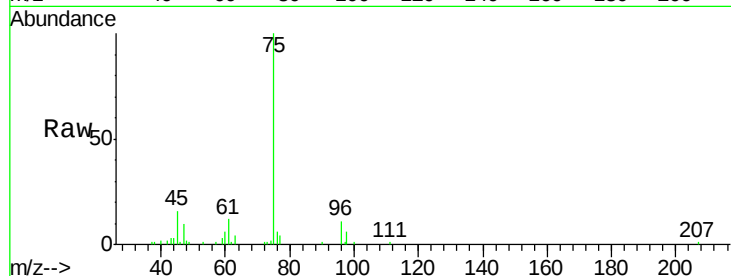




#27  
 cis-1,2-Dichloroethene  
 Concen: 2.13 ug/l  
 RT: 7.17 min Scan# 915  
 Delta R.T. -0.00 min  
 Lab File: VW002306.D  
 Acq: 08 May 2018 20:13

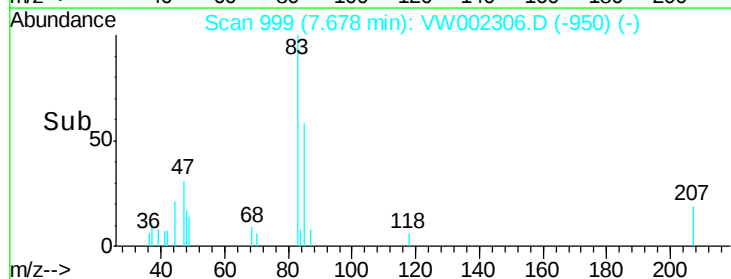
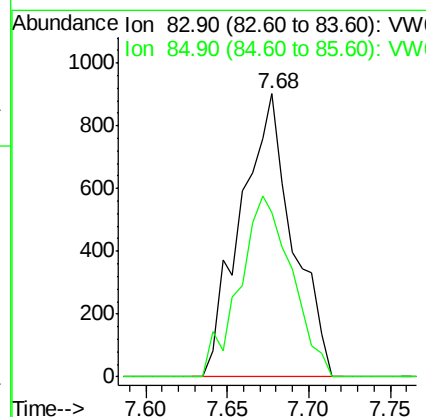
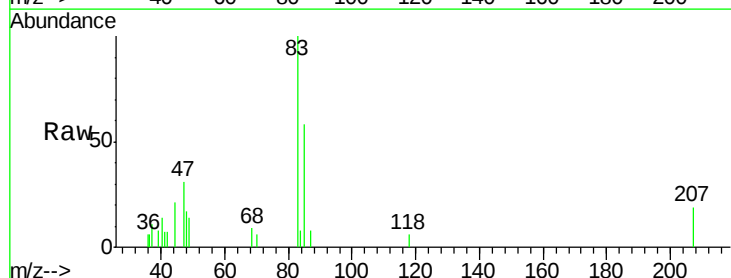
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 4215RE

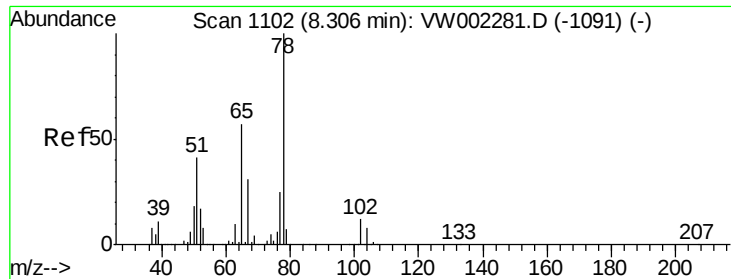
Tot Ion: 96 Resp: 1838  
 Ion Ratio Lower Upper  
 96 100  
 61 161.0 0.0 274.8  
 98 70.2 0.0 128.4



#30  
 Chloroform  
 Concen: 1.39 ug/l  
 RT: 7.68 min Scan# 999  
 Delta R.T. -0.00 min  
 Lab File: VW002306.D  
 Acq: 08 May 2018 20:13

Tgt Ion: 83 Resp: 2018  
 Ion Ratio Lower Upper  
 83 100  
 85 58.1 51.8 77.6

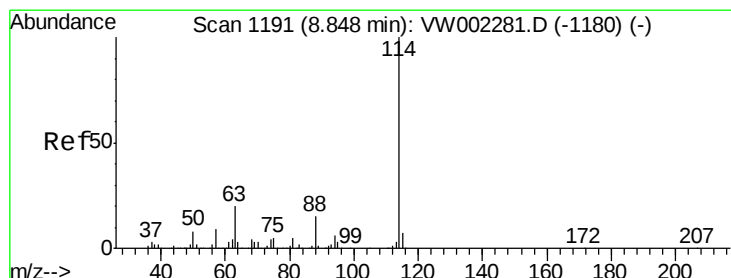
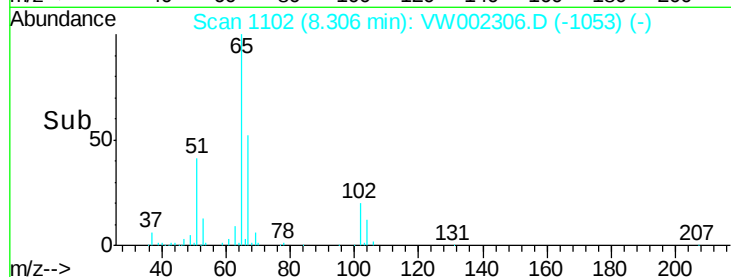
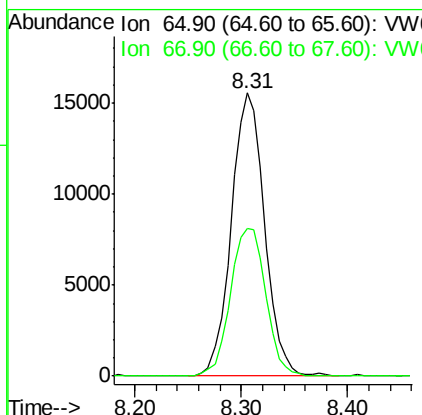
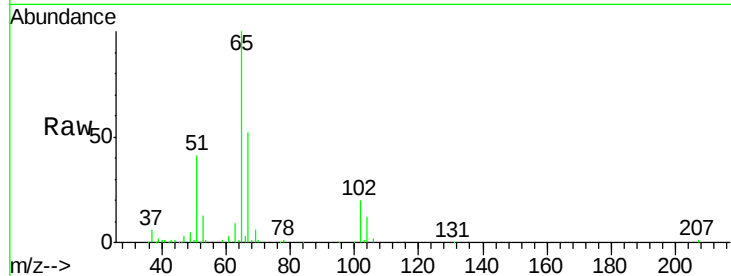




#33  
 1,2-Dichloroethane-d4  
 Concen: 40.97 ug/l  
 RT: 8.31 min Scan# 1102  
 Delta R.T. -0.00 min  
 Lab File: VW002306.D  
 Acq: 08 May 2018 20:13

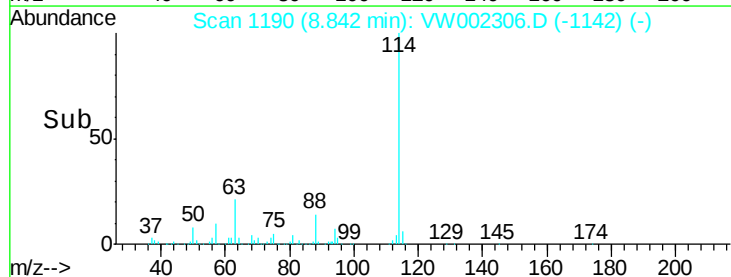
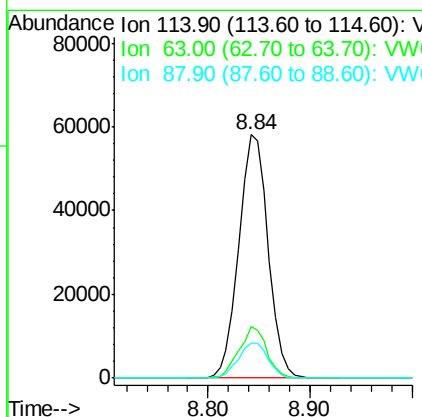
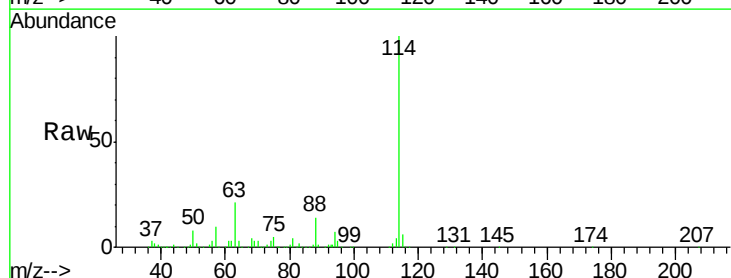
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 4215RE

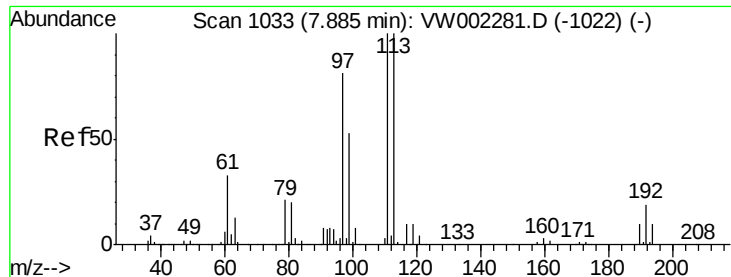
Tot Ion: 65 Resp: 34120  
 Ion Ratio Lower Upper  
 65 100  
 67 55.2 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.84 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: VW002306.D  
 Acq: 08 May 2018 20:13

Tgt Ion: 114 Resp: 115425  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 39.0  
 88 14.4 0.0 29.6

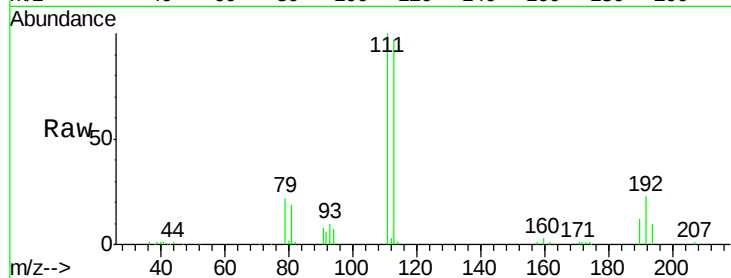




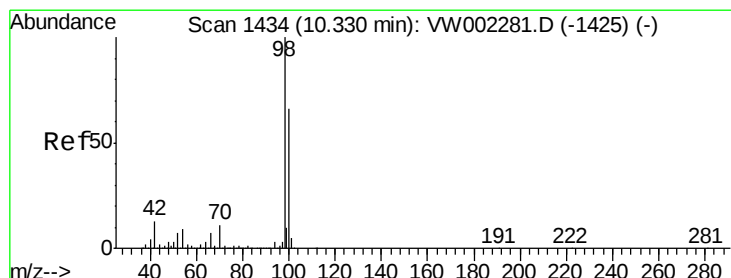
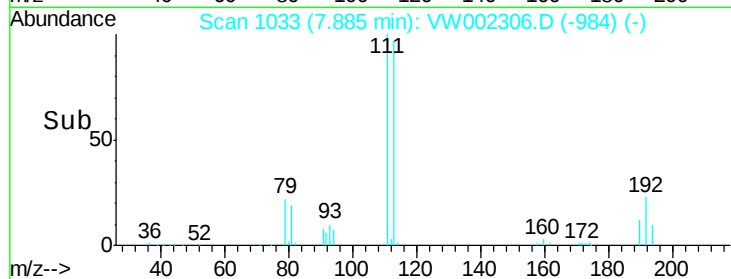
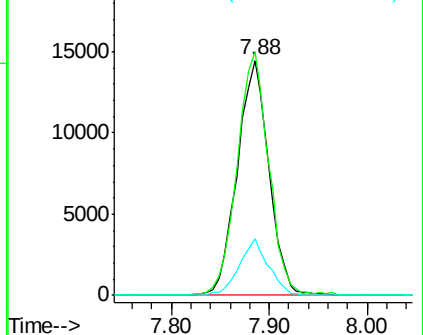
#35  
 Dibromofluoromethane  
 Concen: 43.89 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW002306.D  
 Acq: 08 May 2018 20:13

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 4215RE

Tot Ion:113 Resp: 32474  
 Ion Ratio Lower Upper  
 113 100  
 111 103.3 81.5 122.3  
 192 22.0 16.4 24.6

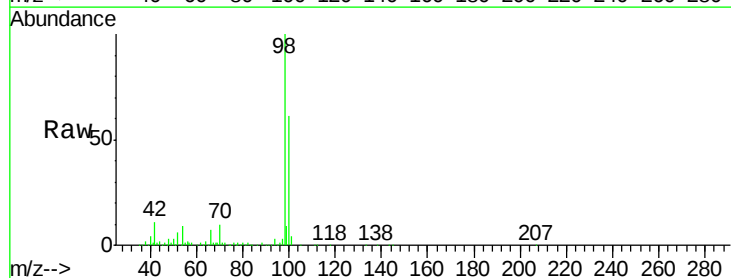


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

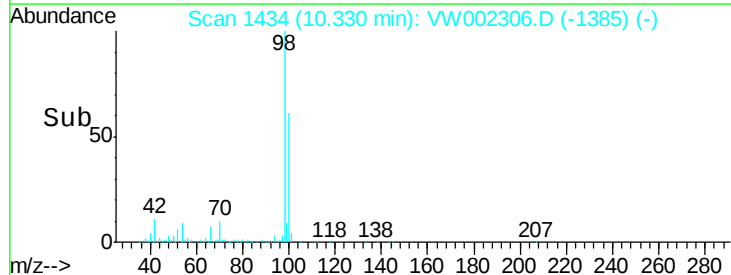
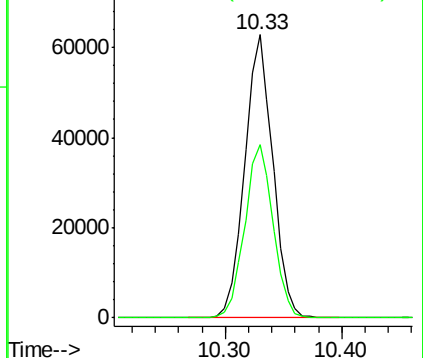


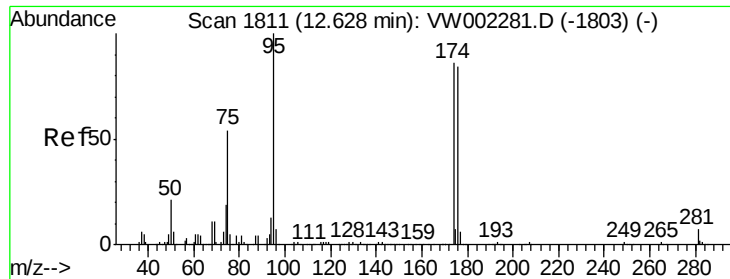
#50  
 Toluene-d8  
 Concen: 37.46 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW002306.D  
 Acq: 08 May 2018 20:13

Tgt Ion: 98 Resp: 105695  
 Ion Ratio Lower Upper  
 98 100  
 100 61.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW  
 Ion 100.00 (99.70 to 100.70): VW

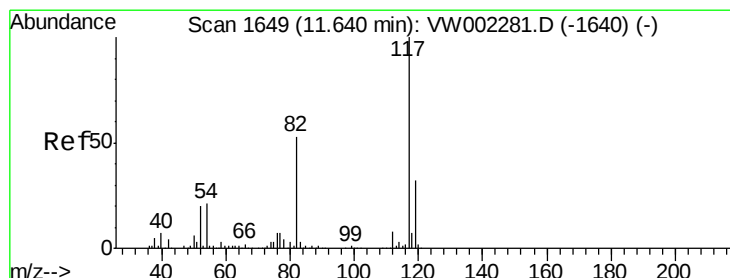
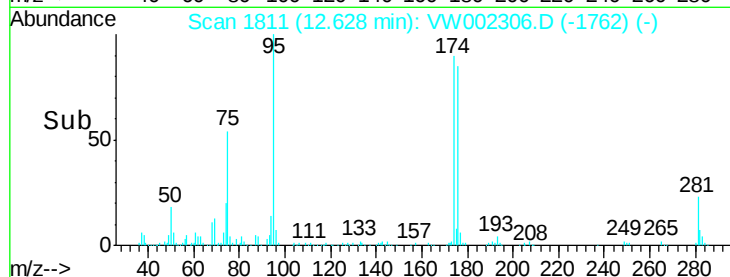
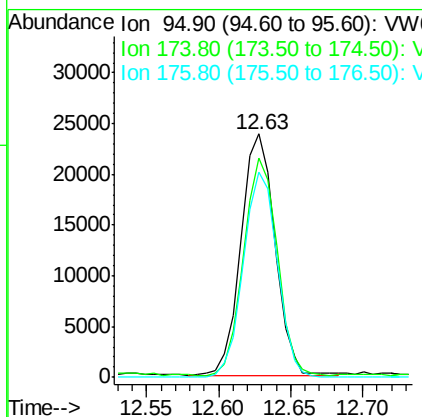
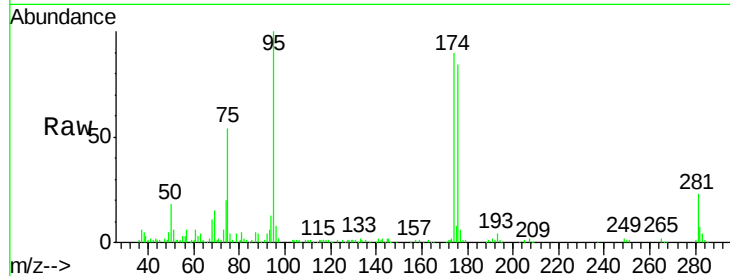




#62  
4-Bromofluorobenzene  
Concen: 38.18 ug/l  
RT: 12.63 min Scan# 1811  
Delta R.T. -0.00 min  
Lab File: VW002306.D  
Acq: 08 May 2018 20:13

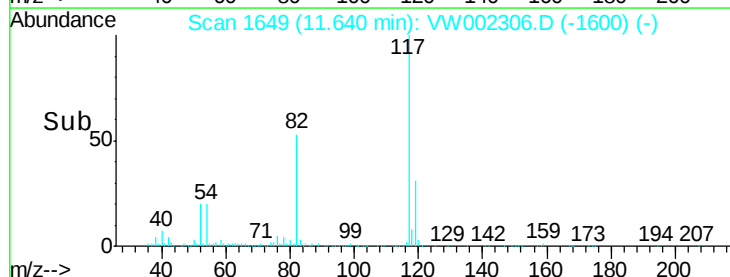
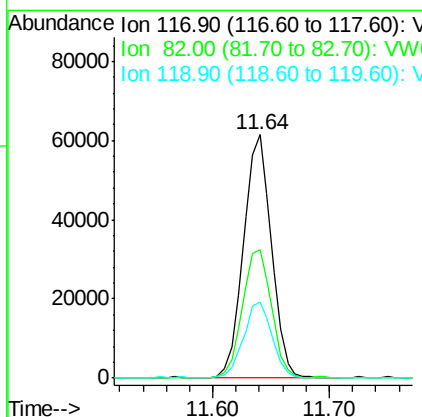
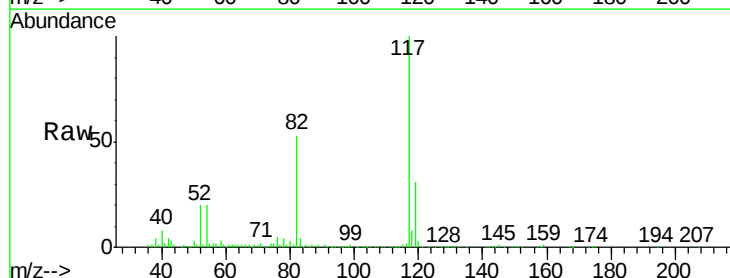
Instrument :  
MSVOA\_W  
ClientSampleId :  
4215RE

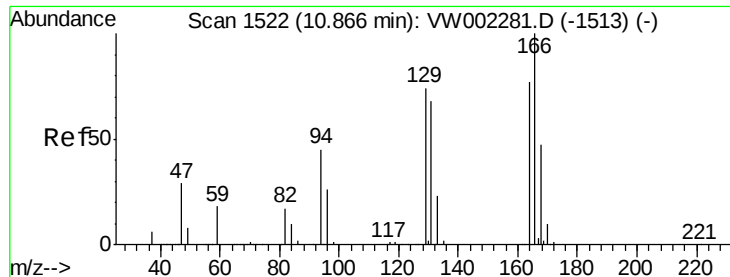
Tot Ion: 95 Resp: 38926  
Ion Ratio Lower Upper  
95 100  
174 89.0 0.0 176.8  
176 84.9 0.0 170.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: VW002306.D  
Acq: 08 May 2018 20:13

Tgt Ion: 117 Resp: 102655  
Ion Ratio Lower Upper  
117 100  
82 52.8 42.6 63.8  
119 31.2 25.2 37.8





#64

Tetrachloroethene

Concen: 1.85 ug/l

RT: 10.87 min Scan# 1523

Delta R.T. 0.01 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

Instrument :

MSVOA\_W

ClientSampled :

4215RE

Tot Ion:164 Resp: 1458

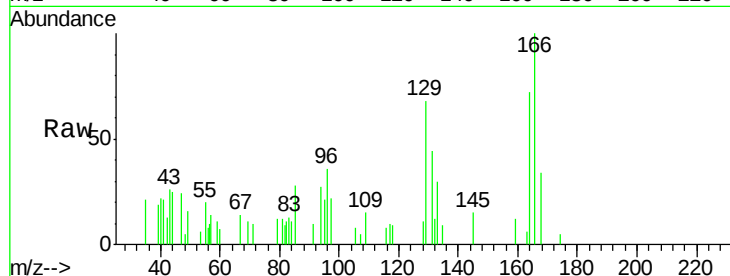
Ion Ratio Lower Upper

164 100

166 138.5 103.3 154.9

129 81.4 76.6 114.8

131 61.0 70.7 106.1#

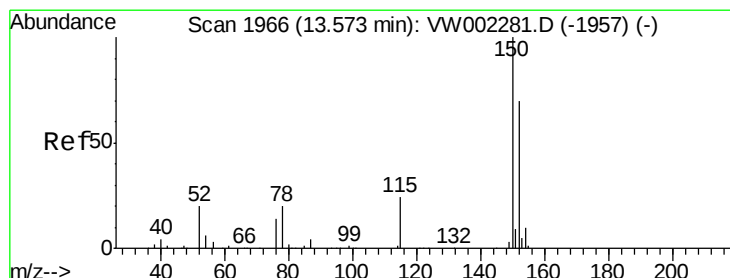
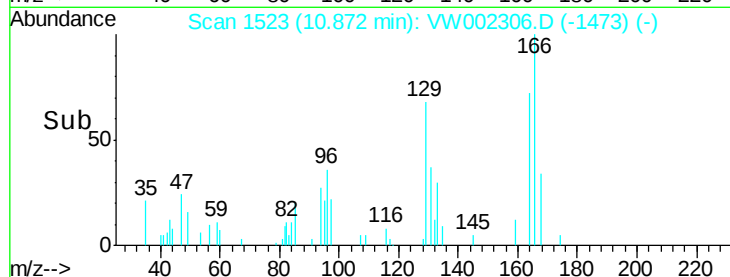
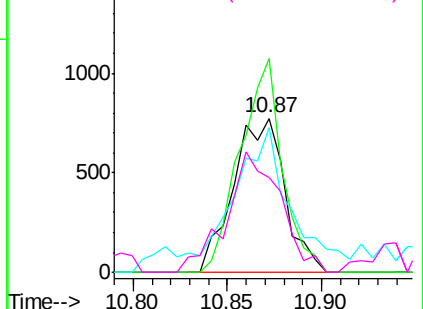


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.01 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

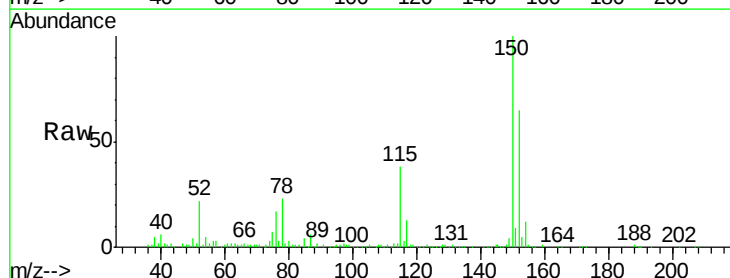
Tgt Ion:152 Resp: 48410

Ion Ratio Lower Upper

152 100

115 56.9 28.5 85.5

150 154.6 0.0 342.6



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

