

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\  
 Data File : VW002407.D  
 Acq On : 11 May 2018 04:09  
 Operator : JC/SY  
 Sample : J2822-08  
 Misc : 6.35G/5ML/MSVOA W/SOIL  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB04-01

Quant Time: May 11 06:46:32 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

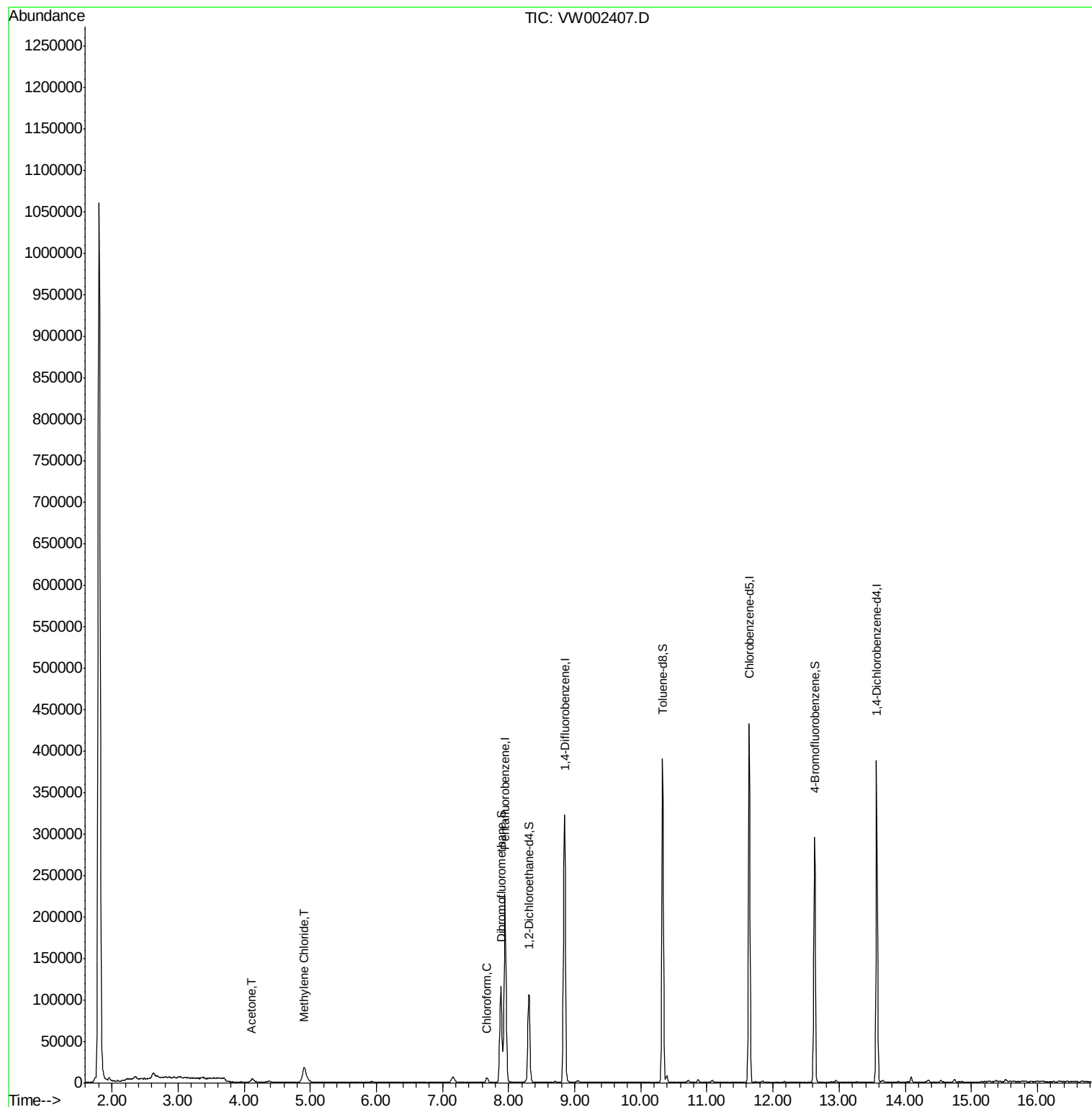
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 172539   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 272516   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 237860   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 103330   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 83412    | 45.52 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.04% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 79271    | 45.38 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.76% |          |
| 50) Toluene-d8              | 10.33 | 98   | 254466   | 38.20 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 76.40% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 86096    | 35.77 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 71.54% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 4.12  | 43   | 7605     | 21.25 | ug/l   | 96       |
| 20) Methylene Chloride      | 4.91  | 84   | 17863    | 10.35 | ug/l   | 95       |
| 30) Chloroform              | 7.67  | 83   | 5291     | 1.66  | ug/l   | 93       |

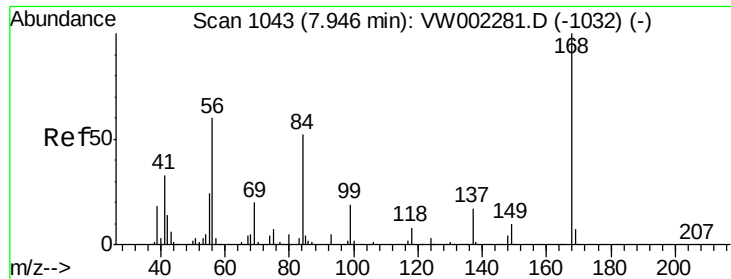
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1043

Delta R.T. 0.00 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

Instrument :

MSVOA\_W

ClientSampled :

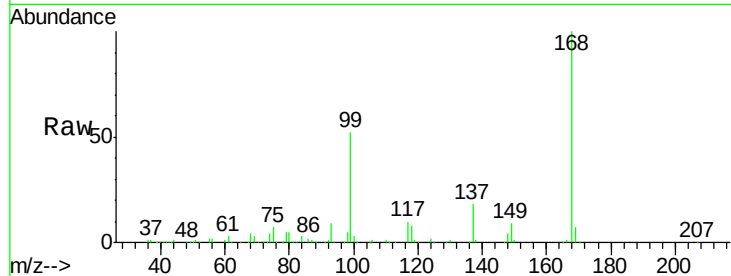
SB04-01

Tot Ion:168 Resp: 172539

Ion Ratio Lower Upper

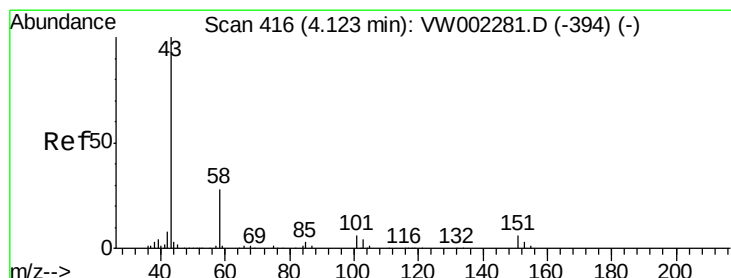
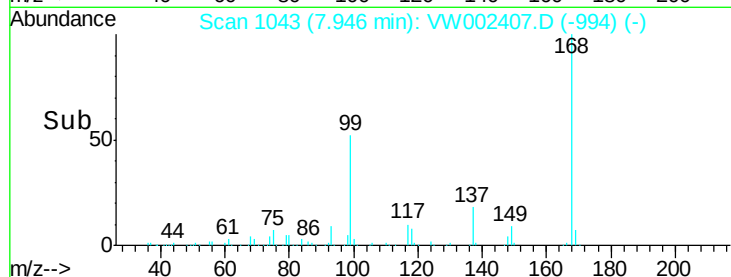
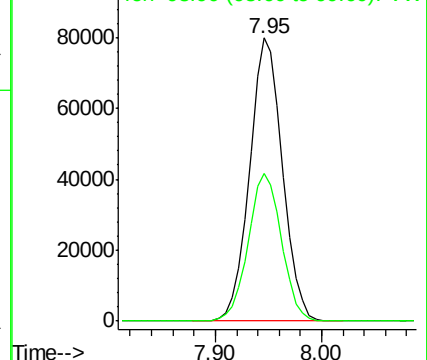
168 100

99 52.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 21.25 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW002407.D

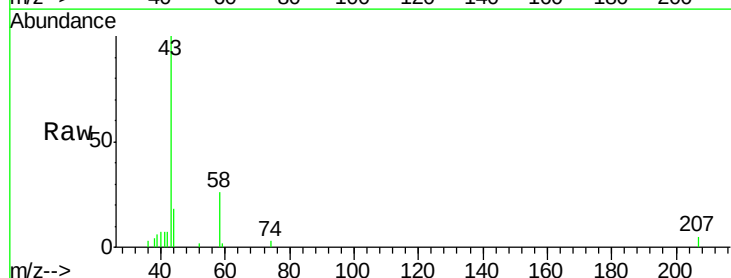
Acq: 11 May 2018 04:09

Tgt Ion: 43 Resp: 7605

Ion Ratio Lower Upper

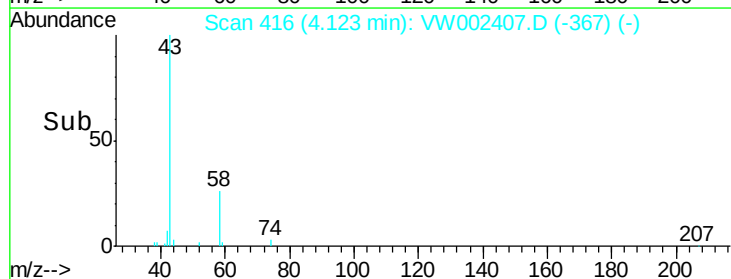
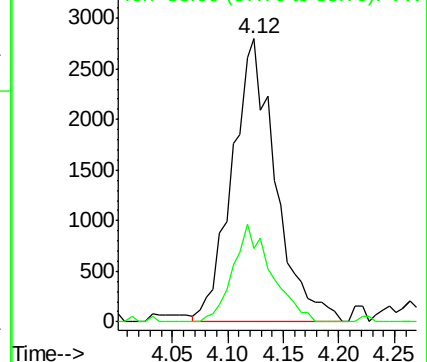
43 100

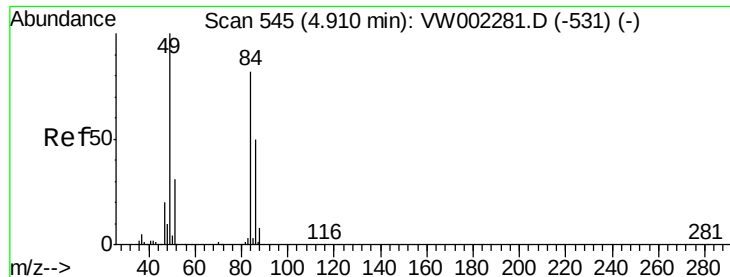
58 25.8 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

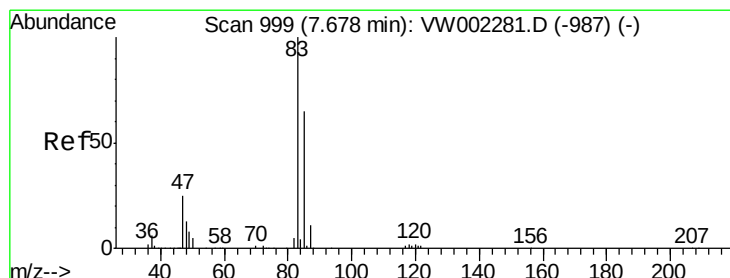
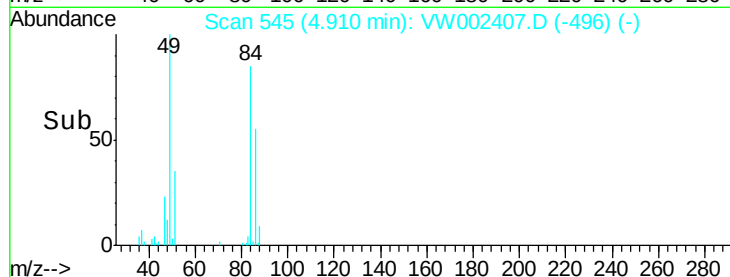
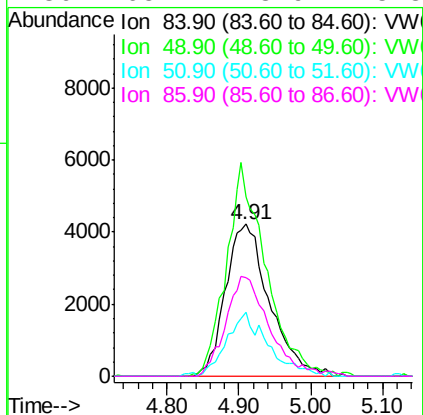
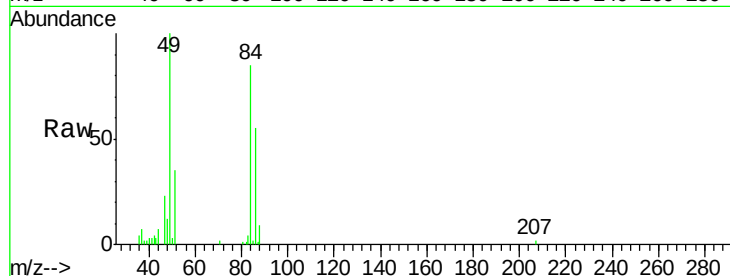




#20  
Methvlene Chloride  
Concen: 10.35 ug/l  
RT: 4.91 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: VW002407.D  
Acq: 11 May 2018 04:09

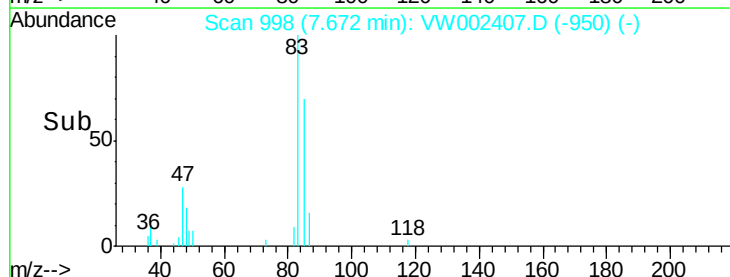
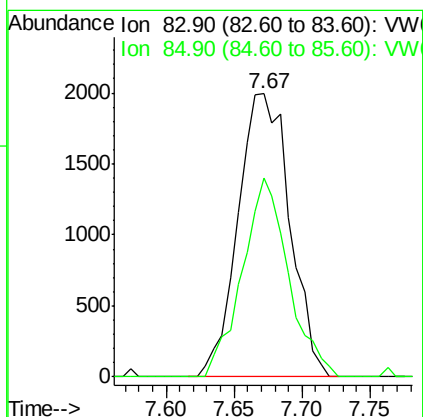
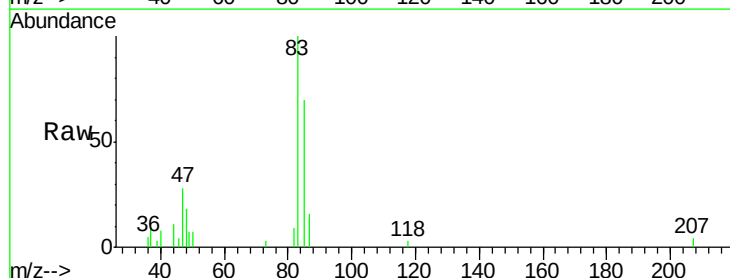
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB04-01

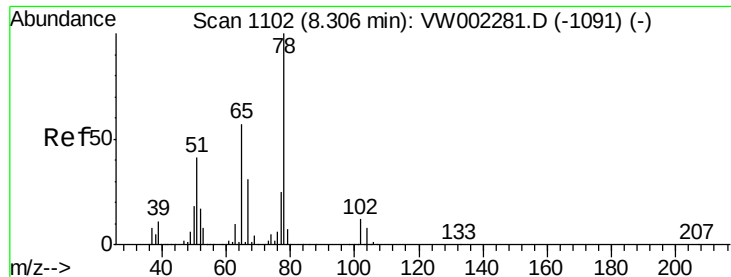
Tot Ion: 84 Resp: 17863  
Ion Ratio Lower Upper  
84 100  
49 117.7 97.7 146.5  
51 41.7 30.2 45.4  
86 65.2 48.9 73.3



#30  
Chloroform  
Concen: 1.66 ug/l  
RT: 7.67 min Scan# 998  
Delta R.T. -0.01 min  
Lab File: VW002407.D  
Acq: 11 May 2018 04:09

Tgt Ion: 83 Resp: 5291  
Ion Ratio Lower Upper  
83 100  
85 70.3 51.8 77.6

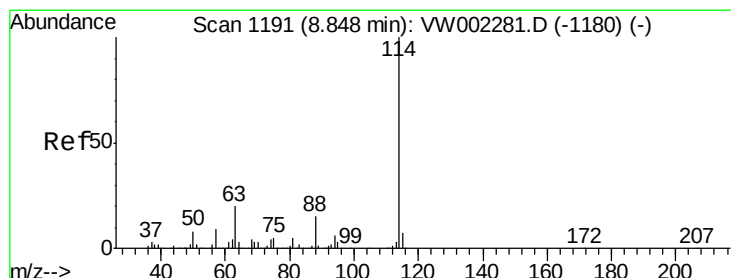
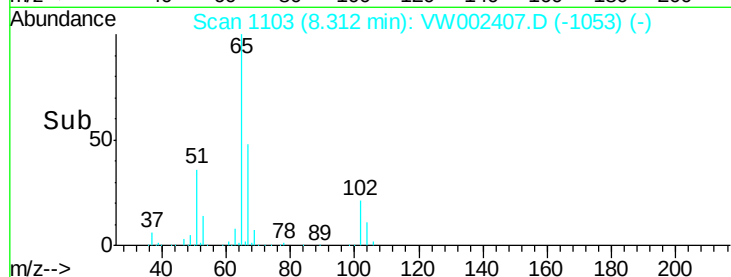
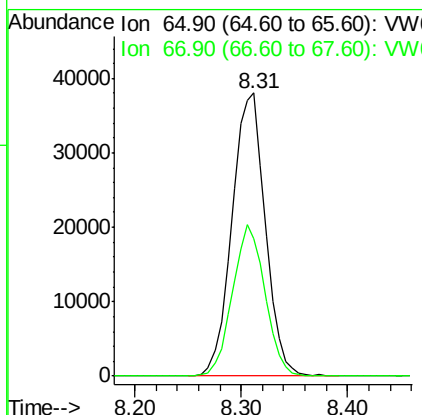
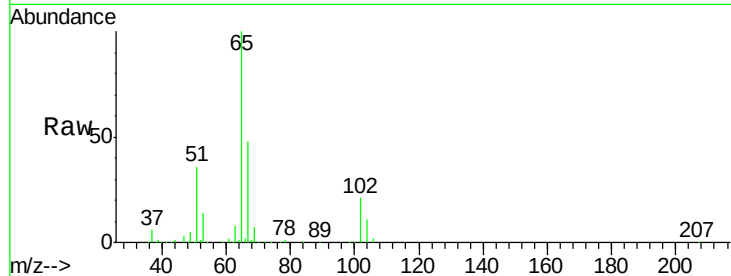




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.52 ug/l  
 RT: 8.31 min Scan# 1103  
 Delta R.T. 0.01 min  
 Lab File: VW002407.D  
 Acq: 11 May 2018 04:09

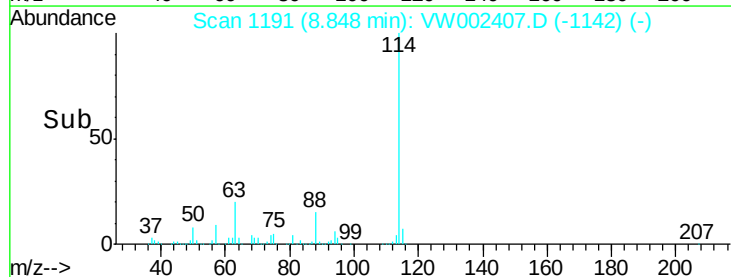
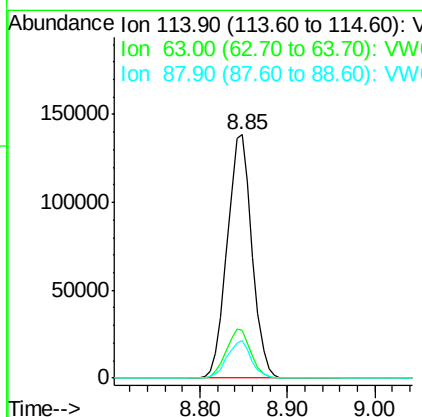
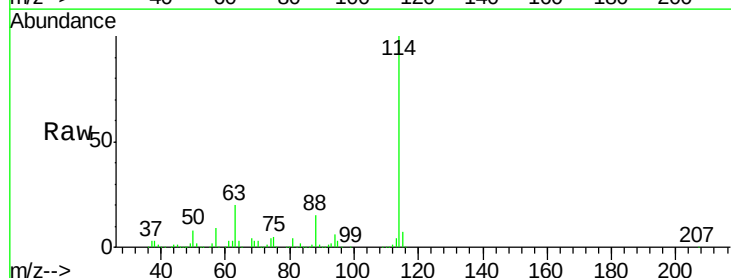
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB04-01

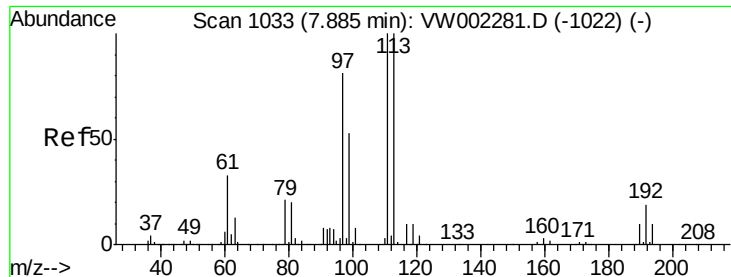
Tot Ion: 65 Resp: 83412  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW002407.D  
 Acq: 11 May 2018 04:09

Tgt Ion: 114 Resp: 272516  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 39.0  
 88 15.2 0.0 29.6

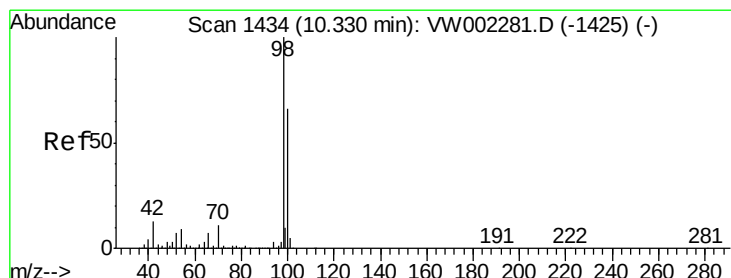
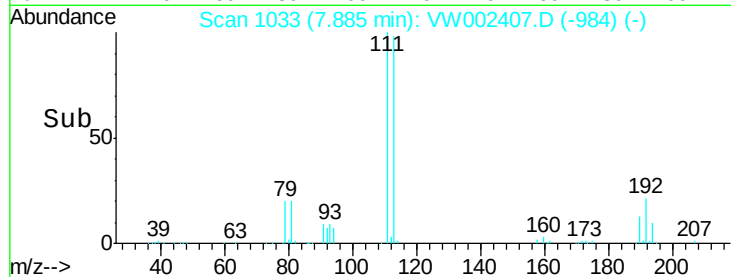
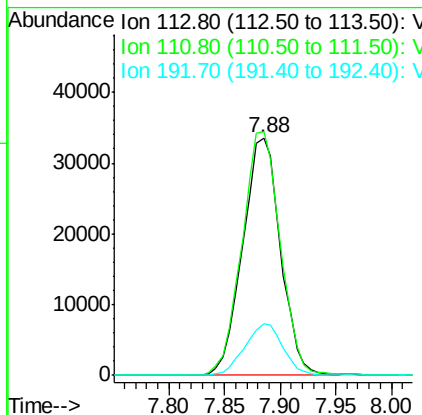
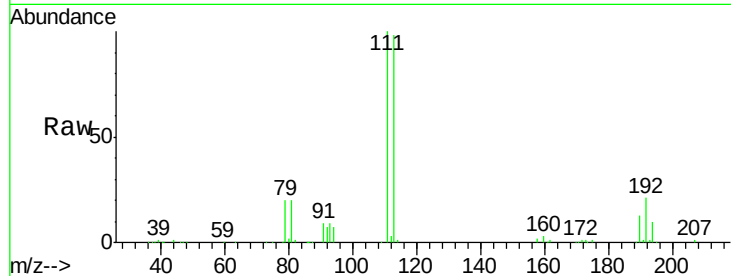




#35  
 Dibromofluoromethane  
 Concen: 45.38 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW002407.D  
 Acq: 11 May 2018 04:09

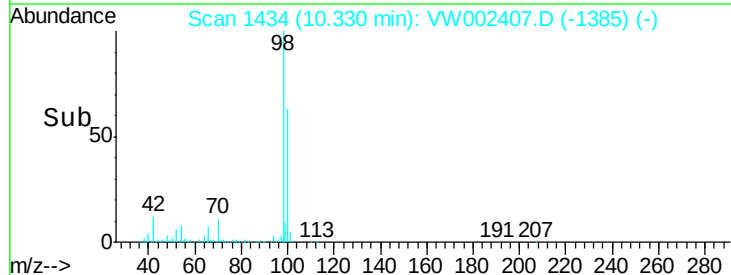
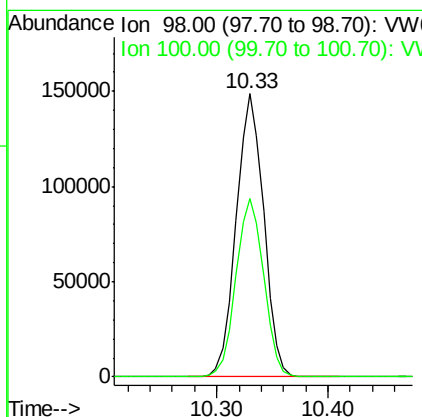
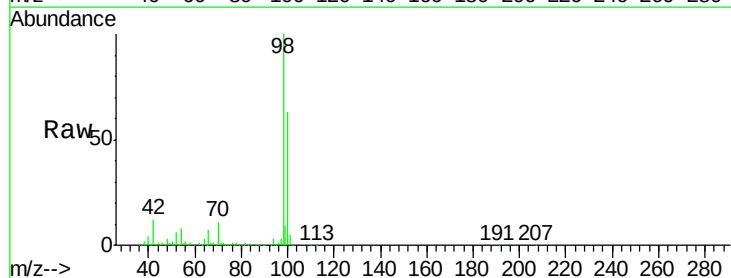
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB04-01

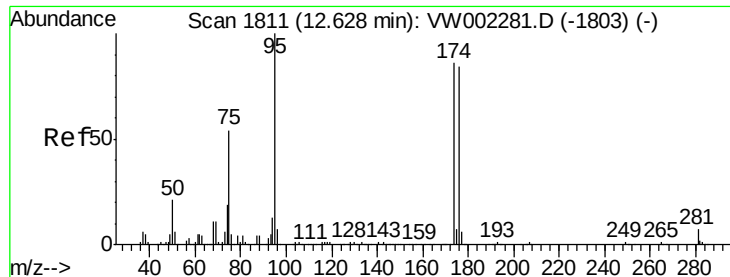
Tot Ion:113 Resp: 79271  
 Ion Ratio Lower Upper  
 113 100  
 111 104.2 81.5 122.3  
 192 21.9 16.4 24.6



#50  
 Toluene-d8  
 Concen: 38.20 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW002407.D  
 Acq: 11 May 2018 04:09

Tgt Ion: 98 Resp: 254466  
 Ion Ratio Lower Upper  
 98 100  
 100 63.3 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 35.77 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

Instrument :

MSVOA\_W

ClientSampleId :

SB04-01

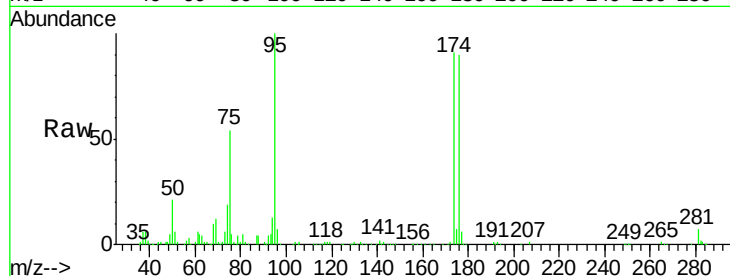
Tot Ion: 95 Resp: 86096

Ion Ratio Lower Upper

95 100

174 89.9 0.0 176.8

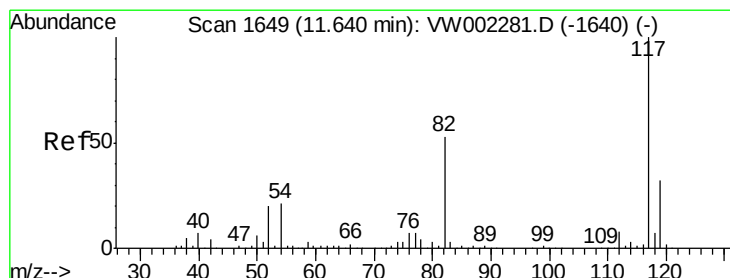
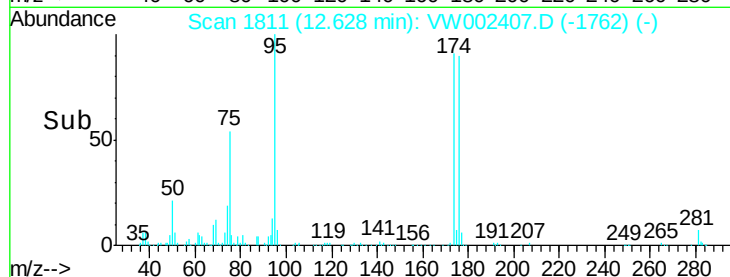
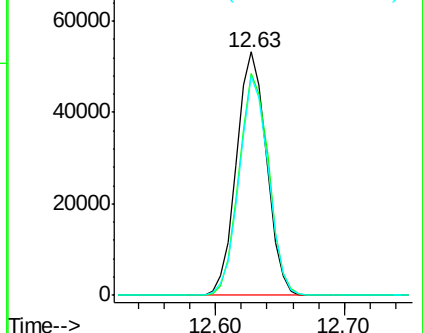
176 87.2 0.0 170.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW002407.D

Acq: 11 May 2018 04:09

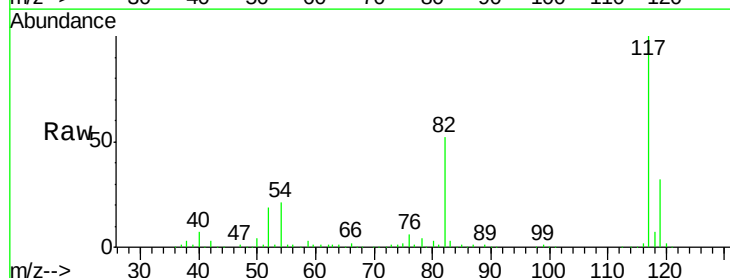
Tgt Ion: 117 Resp: 237860

Ion Ratio Lower Upper

117 100

82 52.2 42.6 63.8

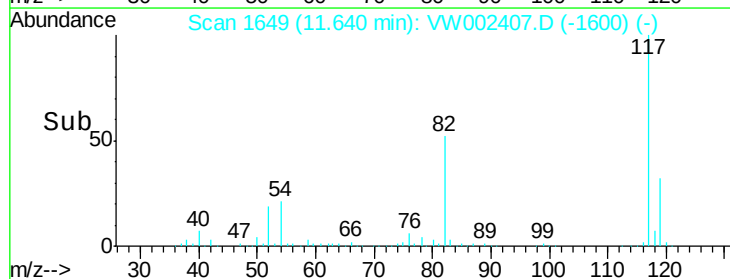
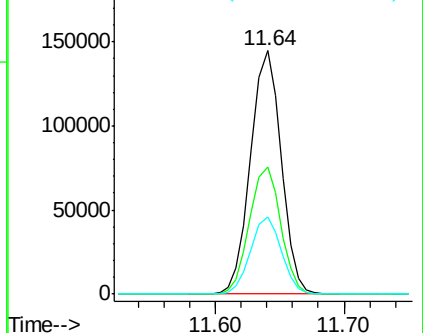
119 31.9 25.2 37.8

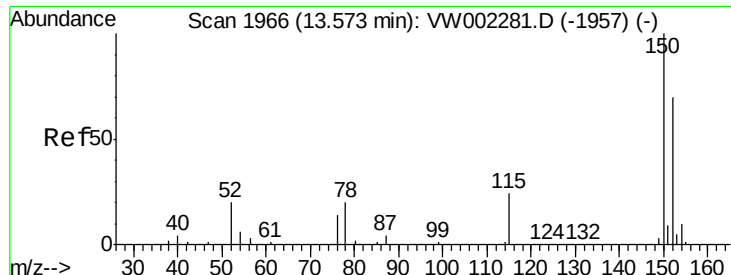


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

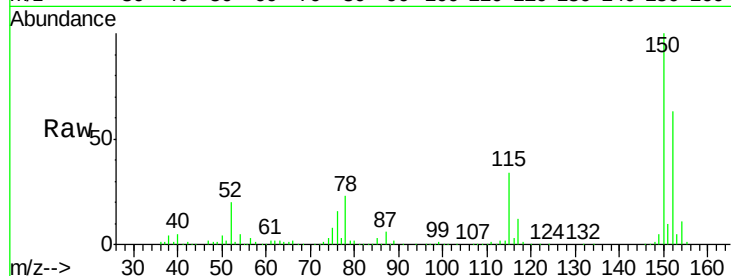




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.57 min Scan# 1966  
 Delta R.T. 0.00 min  
 Lab File: VW002407.D  
 Acq: 11 May 2018 04:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB04-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.8  | 28.5  | 85.5  |
| 150     | 157.4 | 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

