

Data File : VW002882.D  
Acq On : 25 May 2018 19:08  
Operator : JC/SY  
Sample : J3078-04RE  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 26 01:09:41 2018  
Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W051518S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 15 03:32:11 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 139591   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 226342   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 205062   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 93924    | 50.00 | ug/l  | 0.00     |

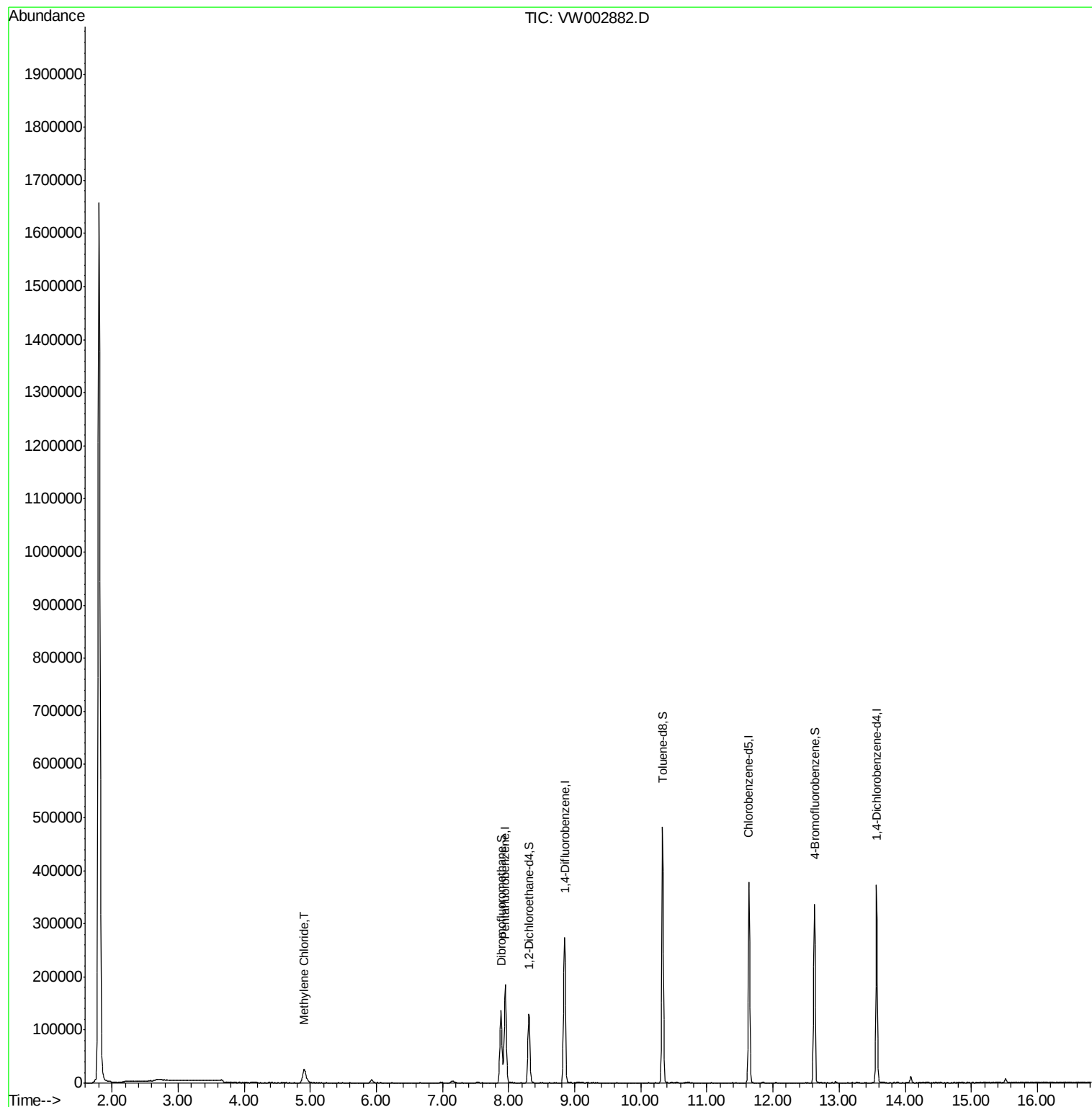
|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 102725   | 71.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 142.42% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 92684    | 64.55 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 129.10% |      |
| 50) Toluene-d8              | 10.33  | 98  | 307914   | 56.36 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.72% |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 96688    | 48.40 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.80%  |      |

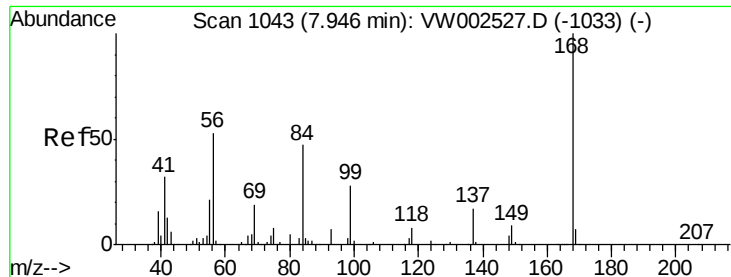
|                        |      |    |       |       |      |        |
|------------------------|------|----|-------|-------|------|--------|
| Target Compounds       |      |    |       |       |      | Qvalue |
| 20) Methylene Chloride | 4.90 | 84 | 21229 | 15.63 | ug/l | 96     |

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

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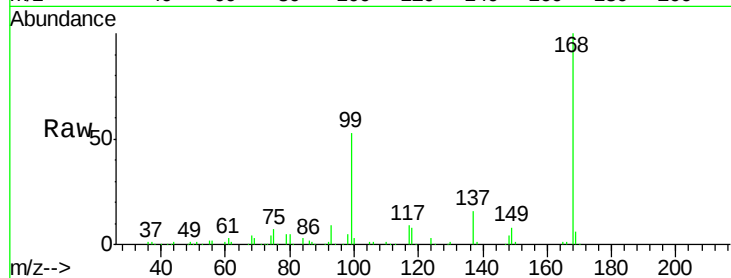
Acq: 25 May 2018 19:08

Tgt Ion: 168 Resp: 139591

Ion Ratio Lower Upper

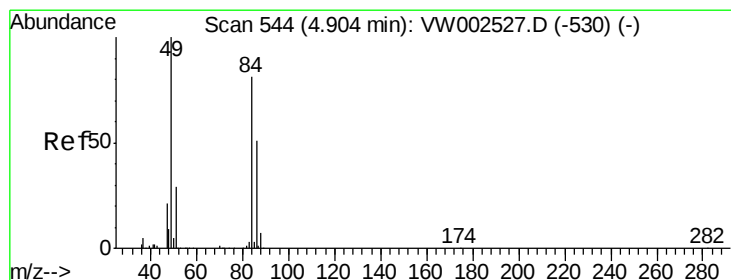
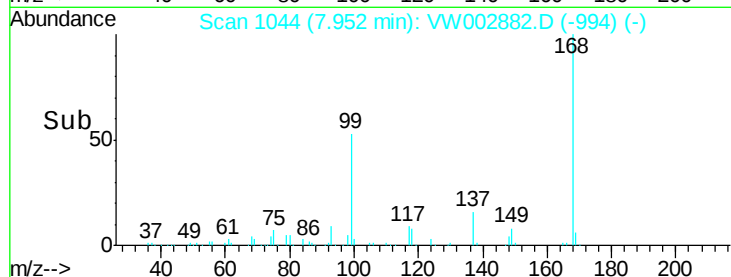
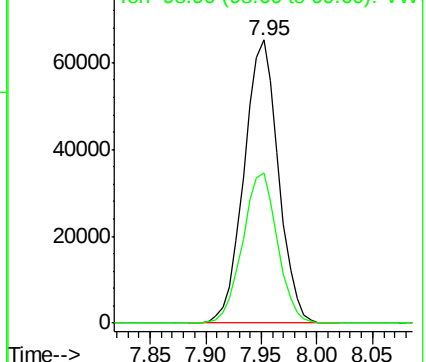
168 100

99 53.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 15.63 ug/l

RT: 4.90 min Scan# 544

Delta R.T. 0.00 min

Lab File: VW002882.D

Acq: 25 May 2018 19:08

Tgt Ion: 84 Resp: 21229

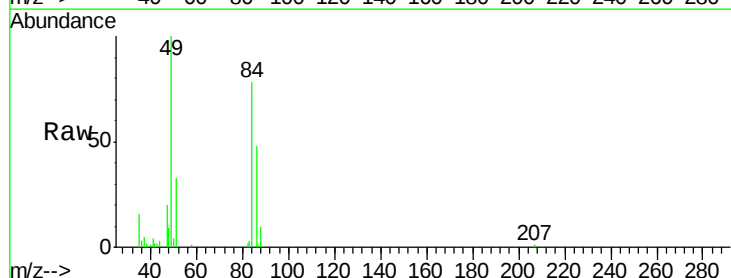
Ion Ratio Lower Upper

84 100

49 127.7 99.4 149.0

51 41.9 29.0 43.6

86 61.7 50.3 75.5

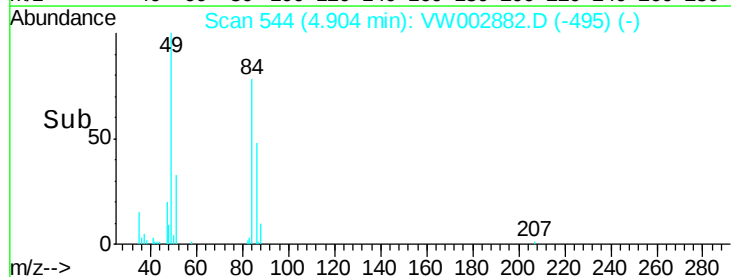
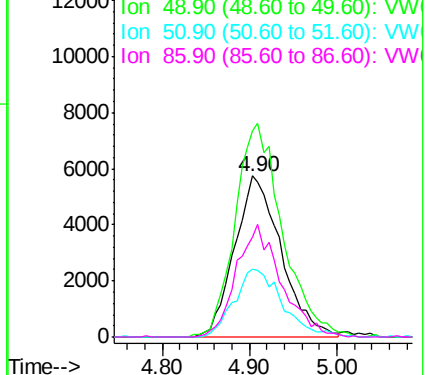


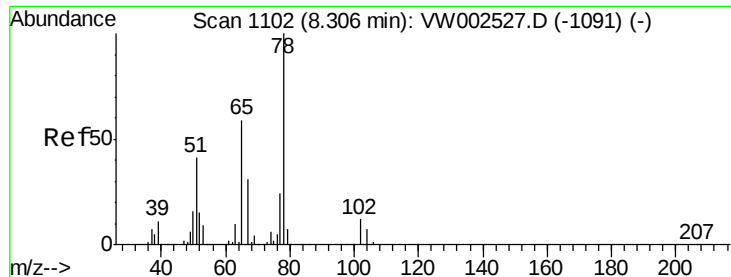
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#33

1,2-Dichloroethane-d4

Concen: 71.21 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002882.D

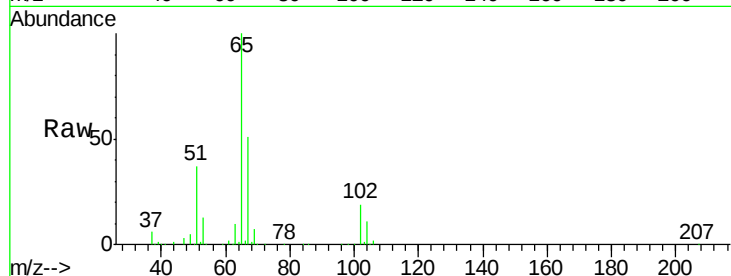
Acq: 25 May 2018 19:08

Tgt Ion: 65 Resp: 102725

Ion Ratio Lower Upper

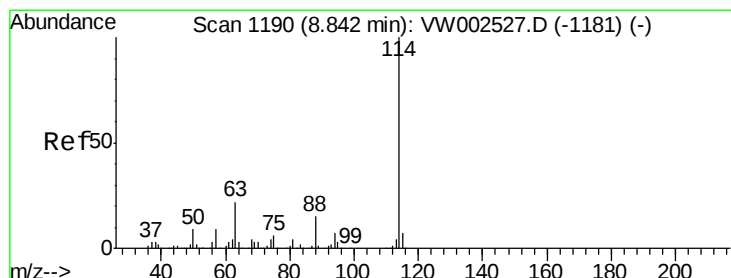
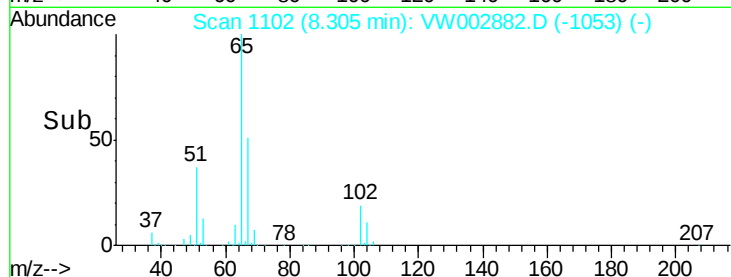
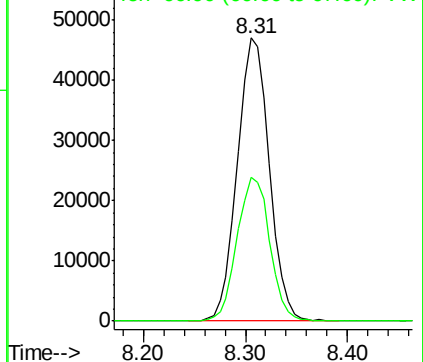
65 100

67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VW002882.D

Acq: 25 May 2018 19:08

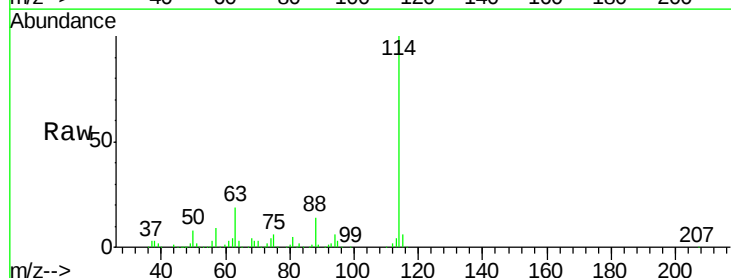
Tgt Ion: 114 Resp: 226342

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

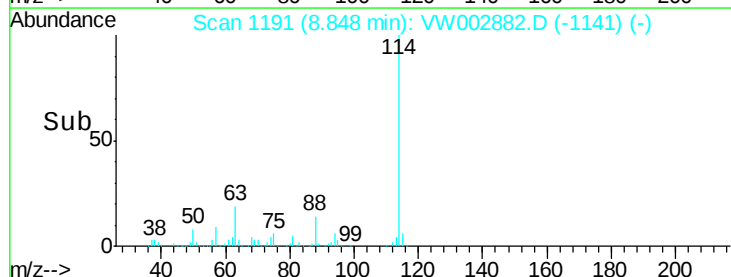
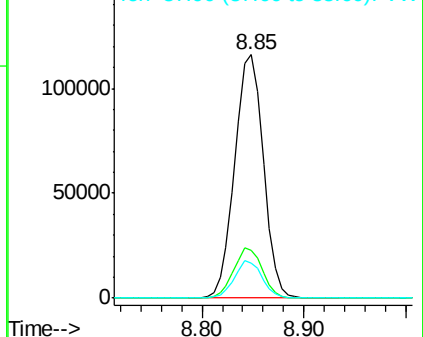
88 14.2 0.0 29.2

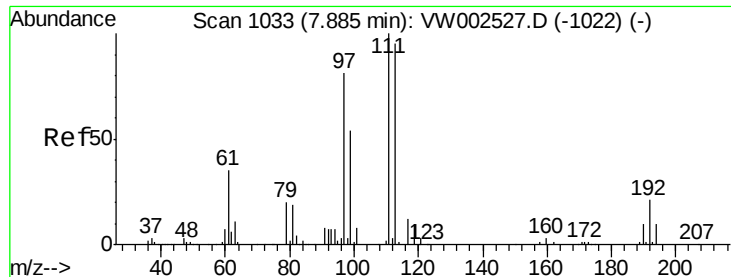


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

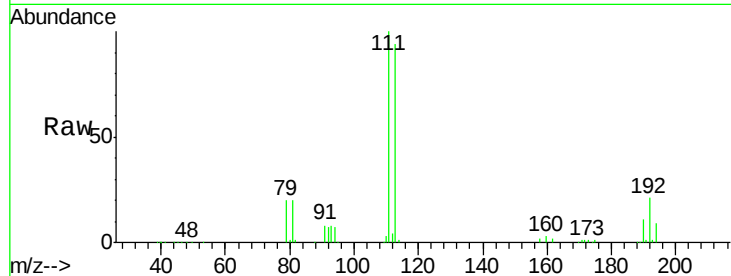
Ion 87.90 (87.60 to 88.60): VW



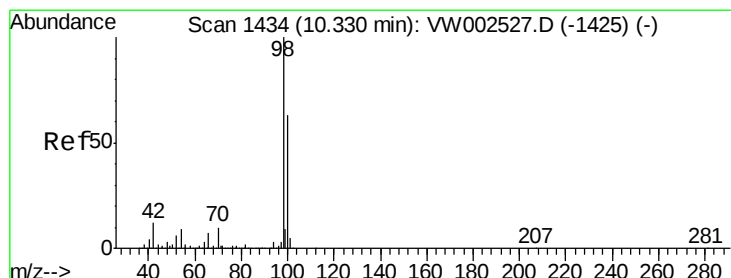
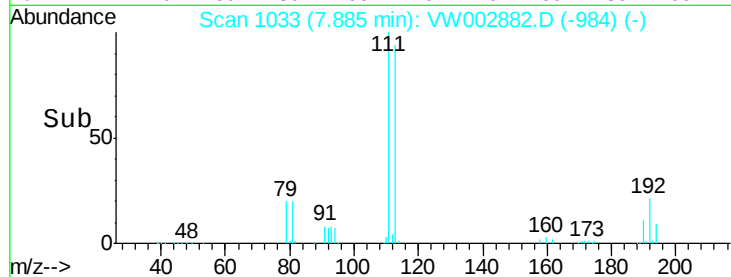
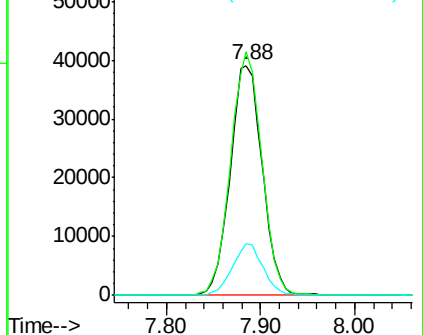


#35  
 Dibromofluoromethane  
 Concen: 64.55 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW002882.D  
 Acq: 25 May 2018 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 81.8  | 122.8 |
| 192     | 21.5  | 17.5  | 26.3  |

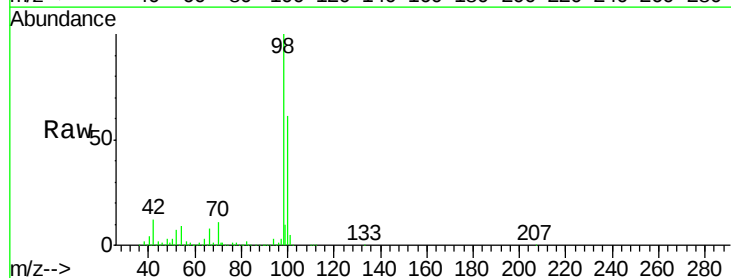


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

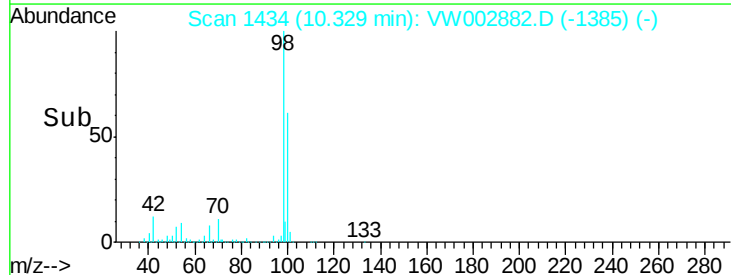
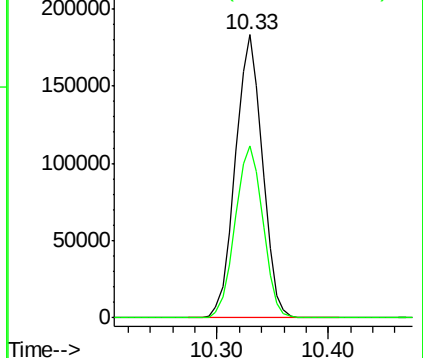


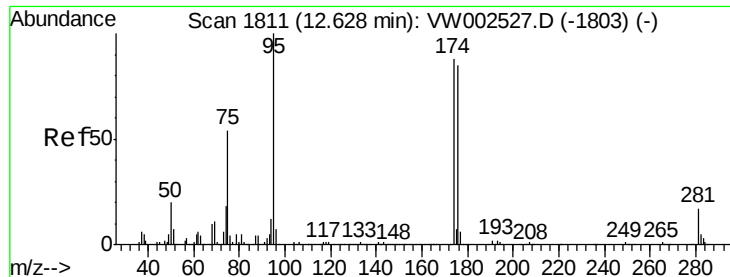
#50  
 Toluene-d8  
 Concen: 56.36 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW002882.D  
 Acq: 25 May 2018 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.4  | 51.0  | 76.4  |



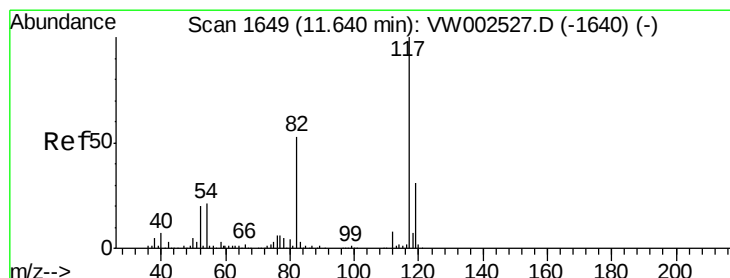
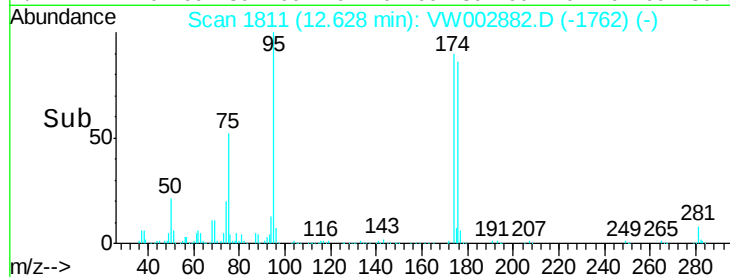
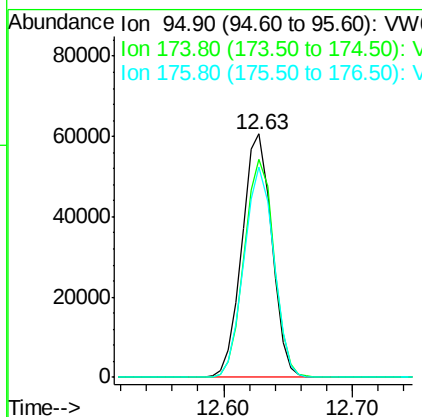
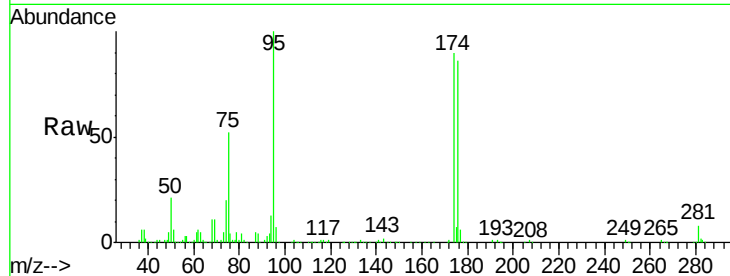
Abundance Ion 98.00 (97.70 to 98.70): VW  
 Ion 100.00 (99.70 to 100.70): VW





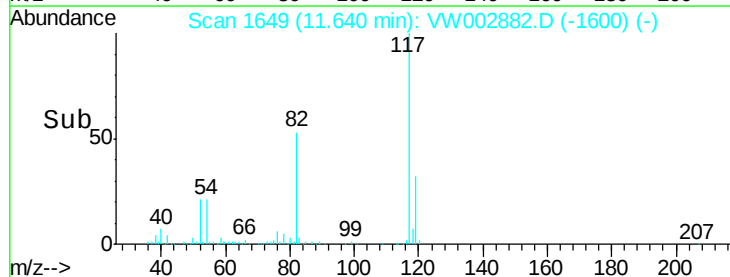
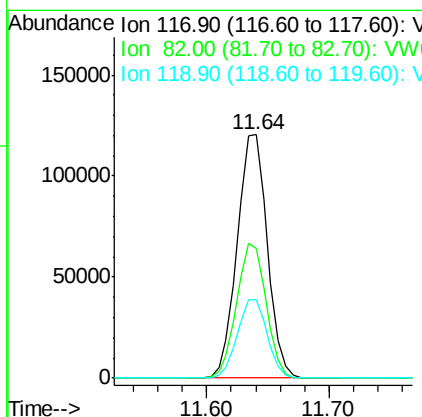
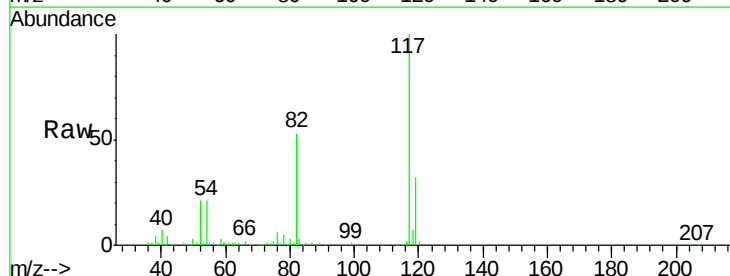
#62  
4-Bromofluorobenzene  
Concen: 48.40 ug/l  
RT: 12.63 min Scan# 1811  
Delta R.T. -0.00 min  
Lab File: VW002882.D  
Acq: 25 May 2018 19:08

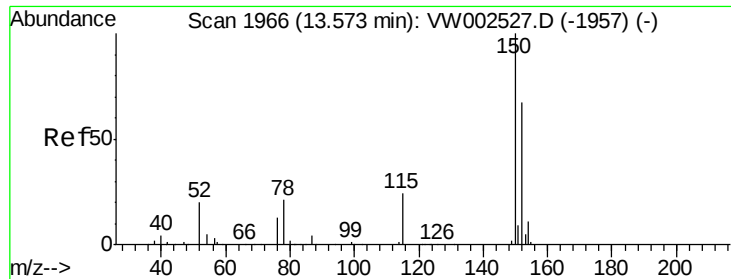
Tgt Ion: 95 Resp: 96688  
Ion Ratio Lower Upper  
95 100  
174 89.9 0.0 176.6  
176 86.4 0.0 172.2



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: VW002882.D  
Acq: 25 May 2018 19:08

Tgt Ion: 117 Resp: 205062  
Ion Ratio Lower Upper  
117 100  
82 53.0 42.6 64.0  
119 32.3 25.0 37.6

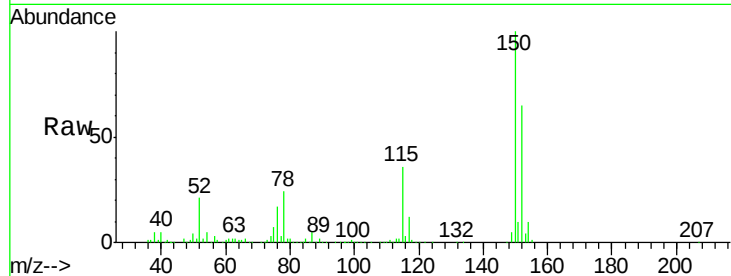




#72

1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. -0.01 min  
Lab File: VW002882.D  
Acq: 25 May 2018 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.2  | 28.0  | 84.0  |
| 150     | 154.0 | 0.0   | 345.4 |



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

