

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110818\  
 Data File : VW006773.D  
 Acq On : 08 Nov 2018 18:23  
 Operator : SY/AP  
 Sample : J5745-07RE  
 Misc : 5.06G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 6ARE

Quant Time: Nov 09 11:54:03 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 01 03:48:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 40754    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 55361    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 50071    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 22131    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 15701    | 44.82 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.64% |      |
| 35) Dibromofluoromethane    | 7.89   | 113 | 14684    | 42.26 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 84.52% |      |
| 50) Toluene-d8              | 10.33  | 98  | 41770    | 31.58 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 63.16% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 13104    | 27.33 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 54.66% |      |

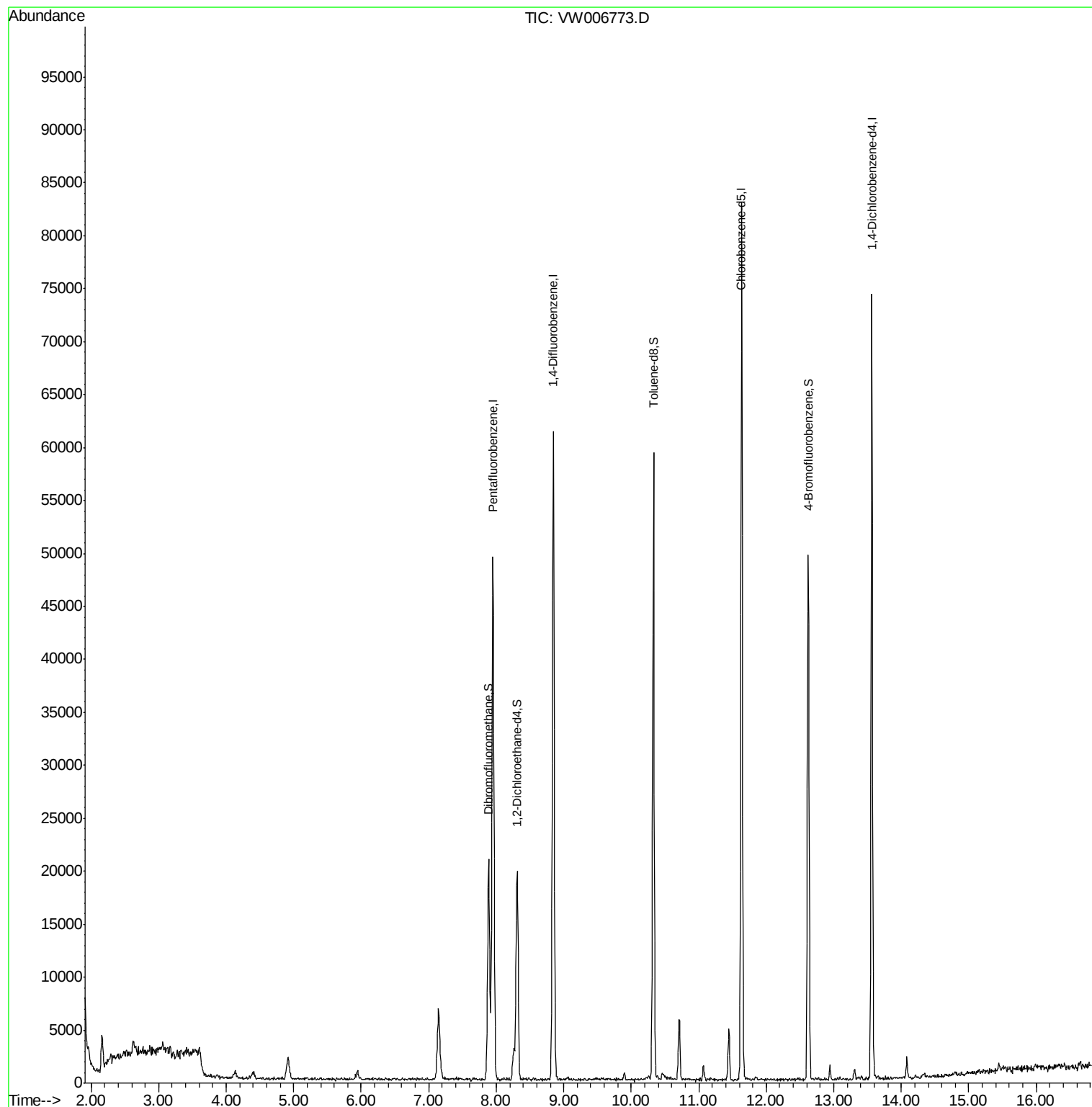
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

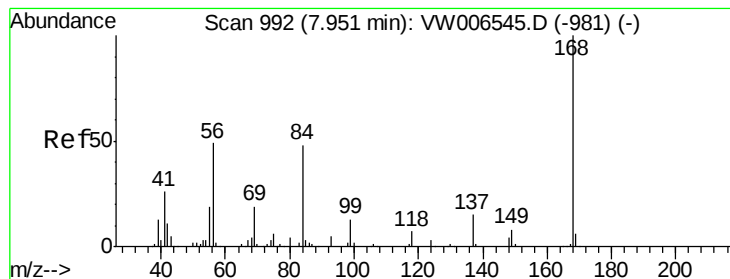
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 01 03:48:08 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

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Instrument :

MSVOA\_W

ClientSampleId :

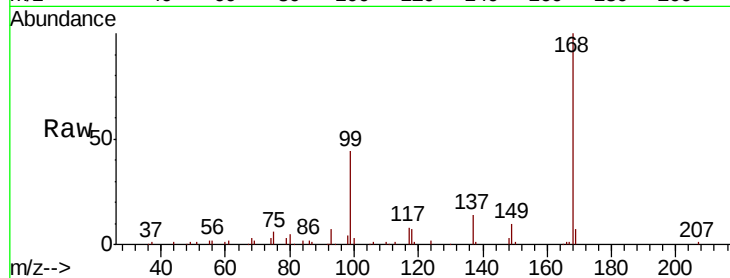
6ARE

Tot Ion:168 Resp: 40754

Ion Ratio Lower Upper

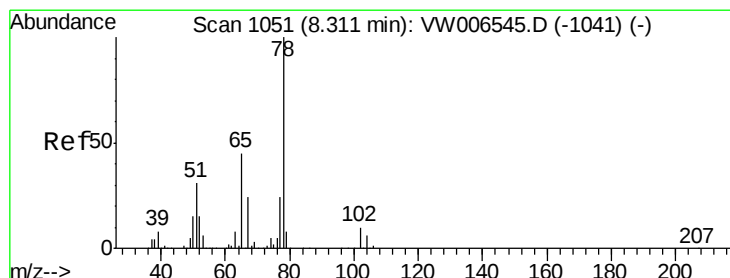
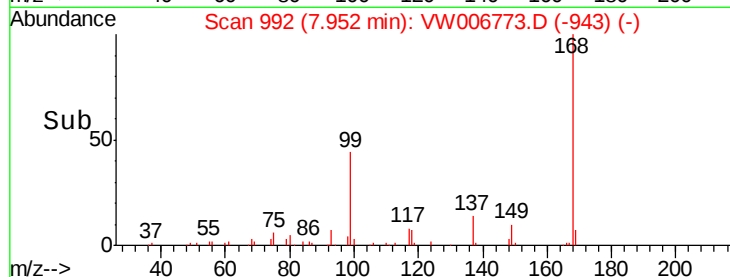
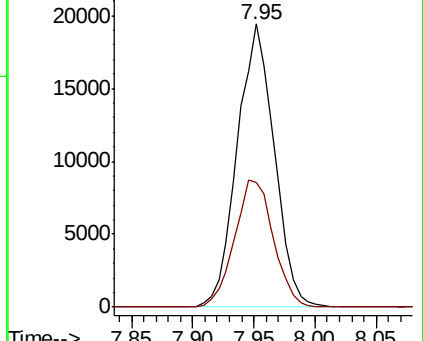
168 100

99 43.9 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#33

1,2-Dichloroethane-d4

Concen: 44.819 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006773.D

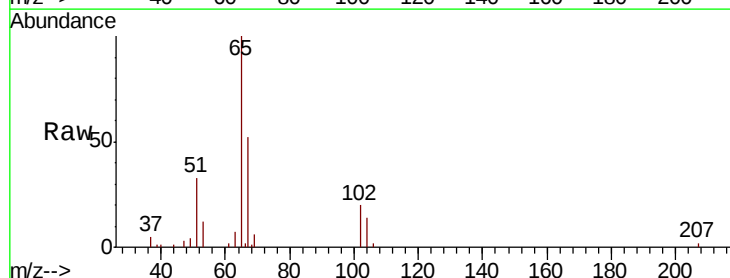
Acq: 08 Nov 2018 18:23

Tgt Ion: 65 Resp: 15701

Ion Ratio Lower Upper

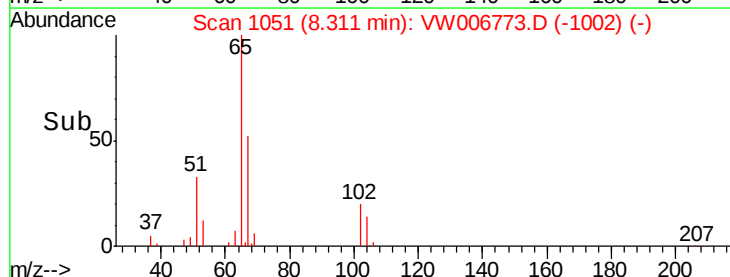
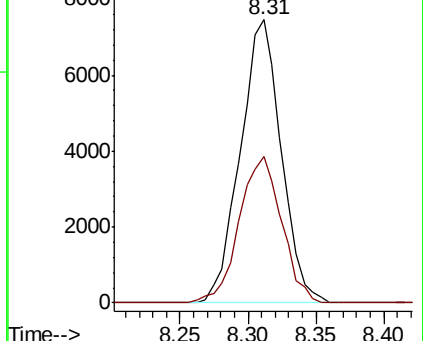
65 100

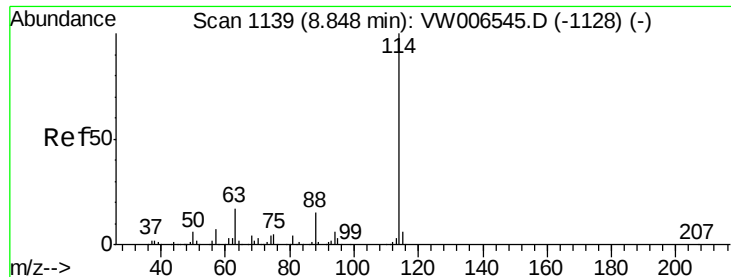
67 53.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

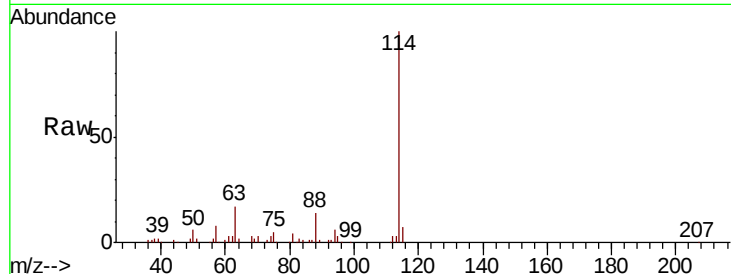




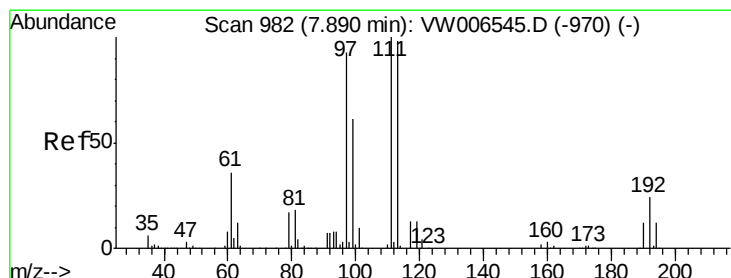
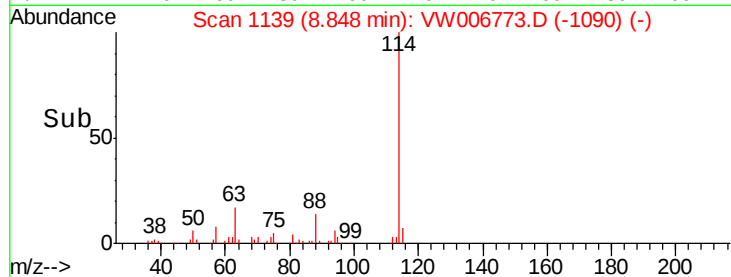
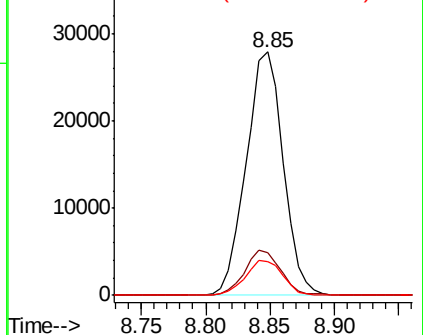
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW006773.D  
 Acq: 08 Nov 2018 18:23

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.3  | 0.0   | 34.4  |
| 88      | 14.1  | 0.0   | 29.0  |

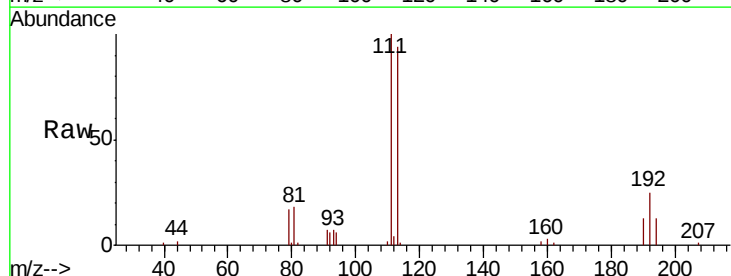


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

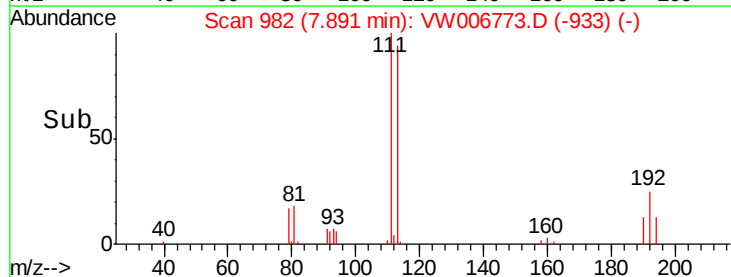
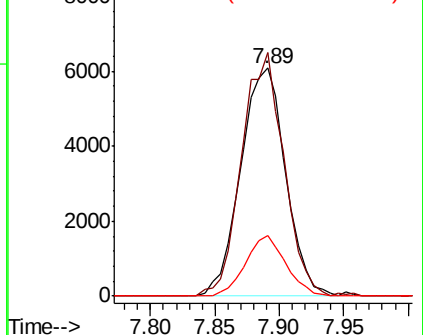


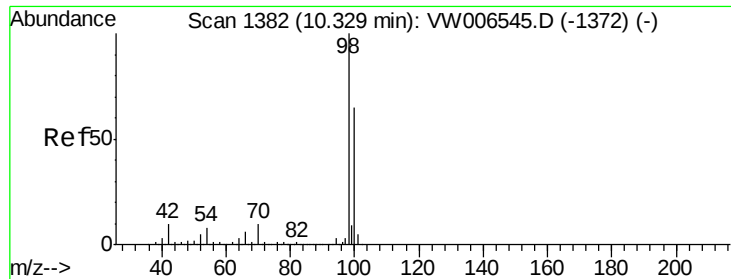
#35  
 Dibromofluoromethane  
 Concen: 42.264 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VW006773.D  
 Acq: 08 Nov 2018 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.2 | 82.2  | 123.2 |
| 192     | 23.7  | 19.0  | 28.6  |



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: 31.581 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006773.D

Acq: 08 Nov 2018 18:23

Instrument :

MSVOA\_W

ClientSampleId :

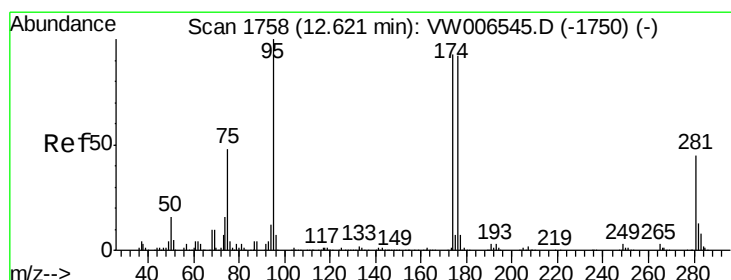
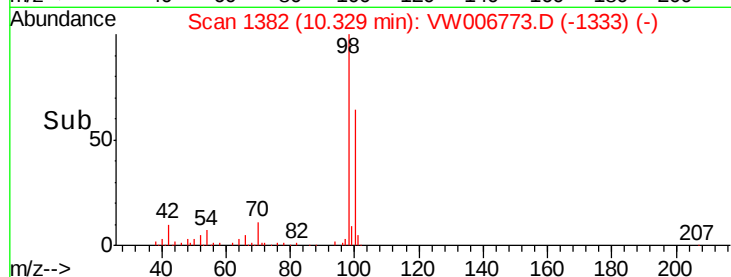
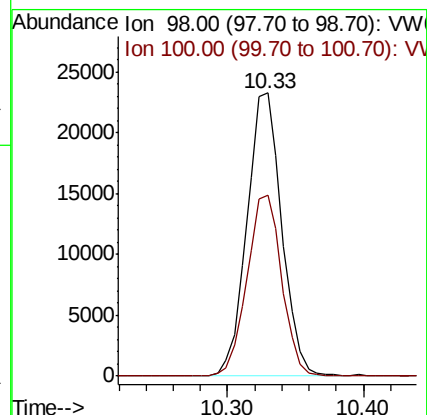
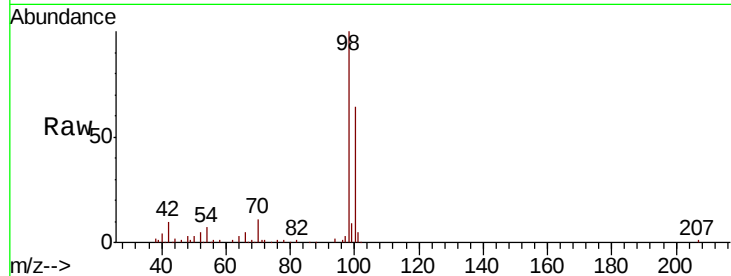
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Tot Ion: 98 Resp: 41770

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 27.328 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006773.D

Acq: 08 Nov 2018 18:23

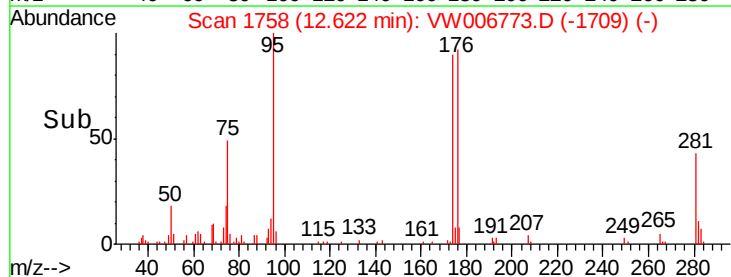
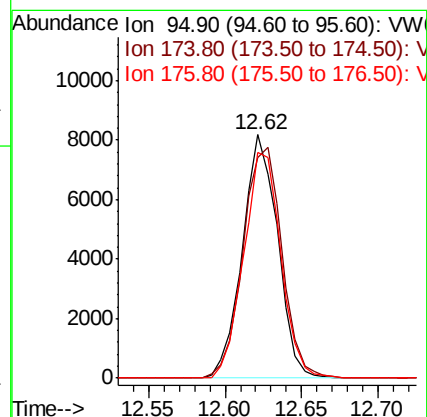
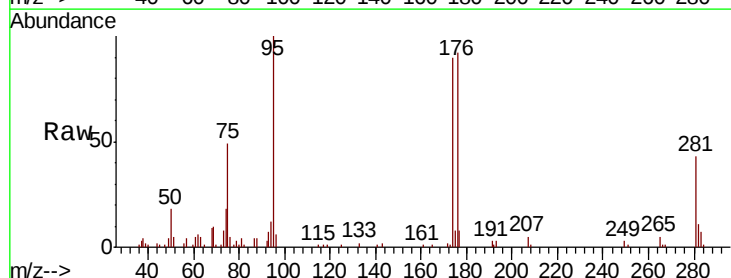
Tgt Ion: 95 Resp: 13104

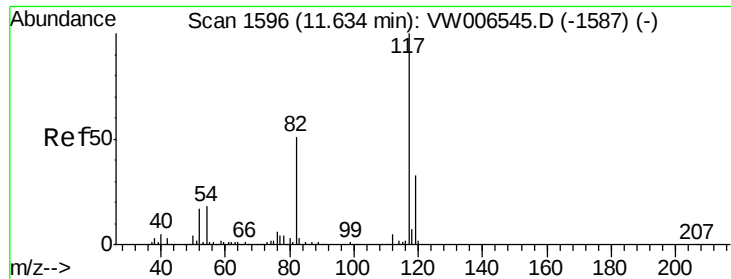
Ion Ratio Lower Upper

95 100

174 104.6 0.0 192.4

176 97.9 0.0 187.4

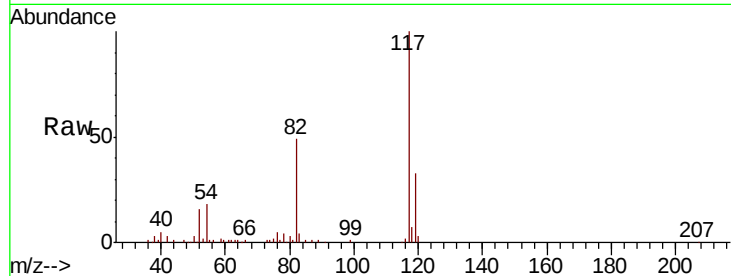




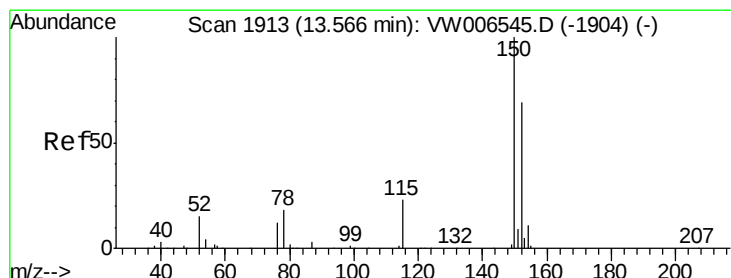
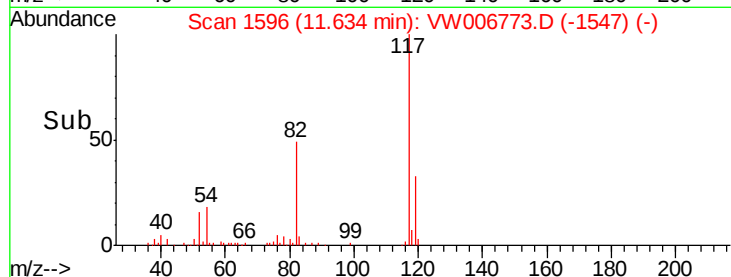
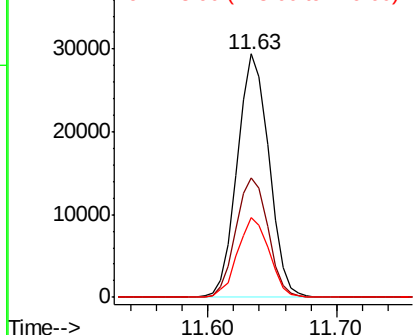
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW006773.D  
Acq: 08 Nov 2018 18:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
6ARE

Tot Ion:117 Resp: 50071  
Ion Ratio Lower Upper  
117 100  
82 48.9 40.8 61.2  
119 32.7 26.1 39.1

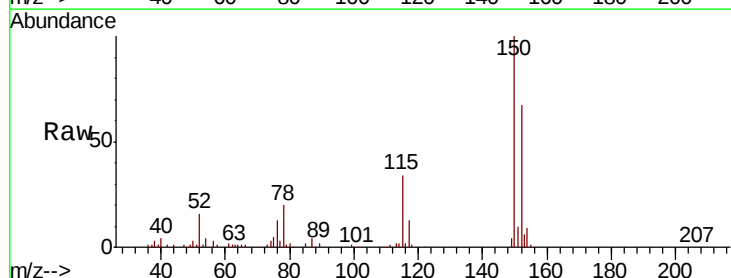


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.00 min  
Lab File: VW006773.D  
Acq: 08 Nov 2018 18:23

Tgt Ion:152 Resp: 22131  
Ion Ratio Lower Upper  
152 100  
115 52.4 26.6 79.8  
150 153.9 0.0 344.6



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

