

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102918\  
 Data File : VW006442.D  
 Acq On : 27 Oct 2018 09:35  
 Operator : SY/AP  
 Sample : J5624-01RE  
 Misc : 5.98G/5ML/MSVOA W/SOIL  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PA-SED-01RE

Quant Time: Oct 29 04:45:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 18 17:01:24 2018  
 Response via : Initial Calibration

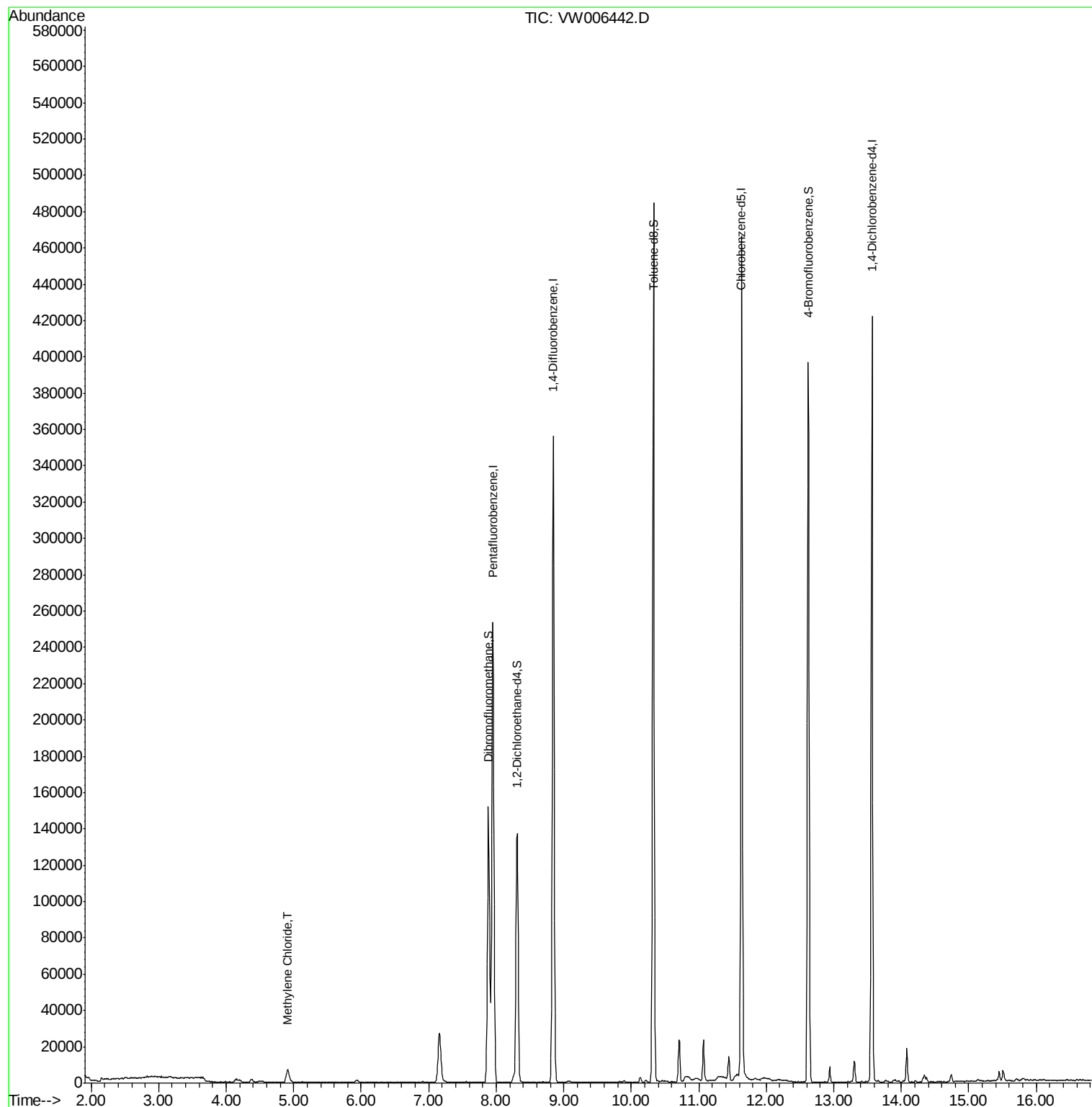
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 210693   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 319195   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 265520   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 123364   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 111426   | 63.79 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 127.58% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 105610   | 55.99 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.98% |           |
| 50) Toluene-d8              | 10.33 | 98   | 333371   | 46.46 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.92%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 111687   | 41.44 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 82.88%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.91  | 84   | 6308     | 1.845 | ug/l    | Qvalue 93 |

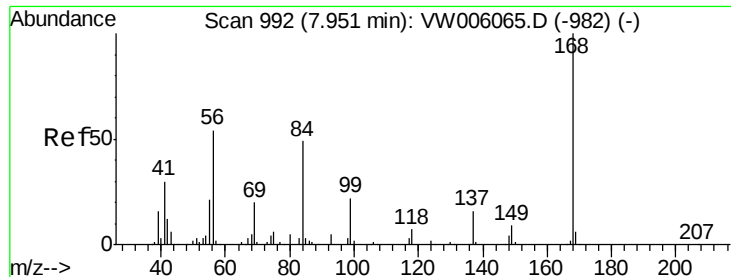
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 29 04:45:18 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 18 17:01:24 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006442.D

Acq: 27 Oct 2018 09:35

Instrument :

MSVOA\_W

ClientSampleId :

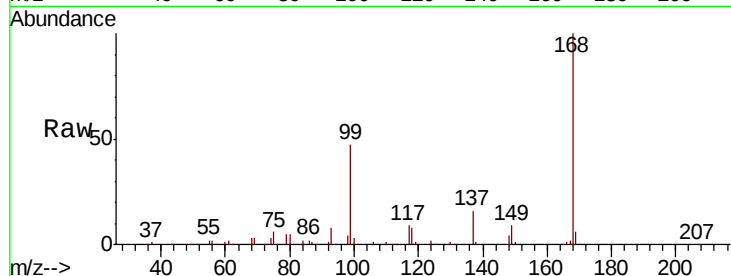
PA-SED-01RE

Tot Ion:168 Resp: 210693

Ion Ratio Lower Upper

168 100

99 47.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

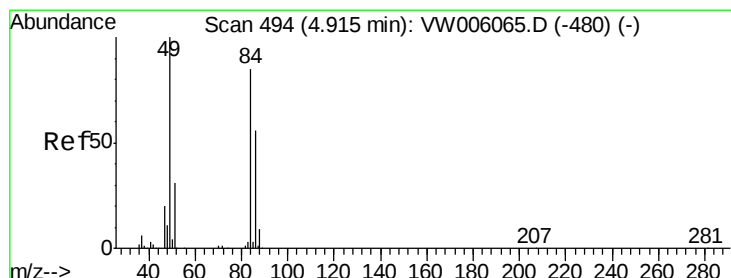
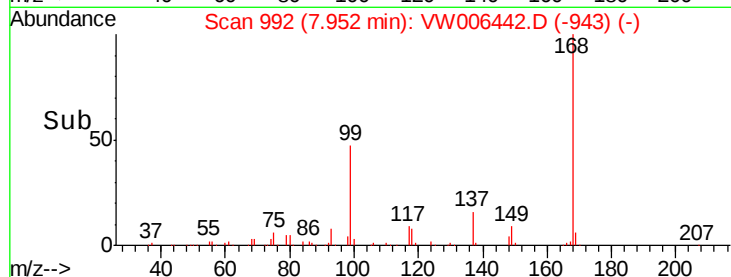
40000

20000

0

Time-->

7.90 8.00



#20

Methylene Chloride

Concen: 1.845 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006442.D

Acq: 27 Oct 2018 09:35

Tgt Ion: 84 Resp: 6308

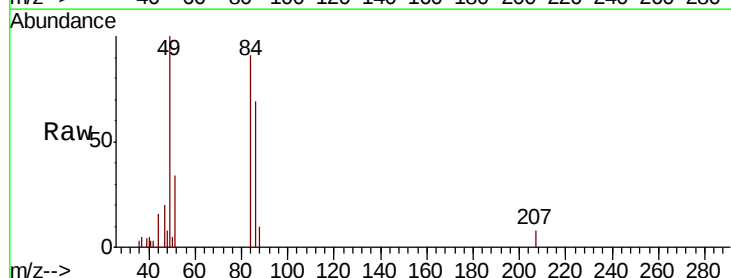
Ion Ratio Lower Upper

84 100

49 110.4 93.6 140.4

51 37.4 29.0 43.4

86 75.7 52.6 79.0



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

4.91

3000

2500

2000

1500

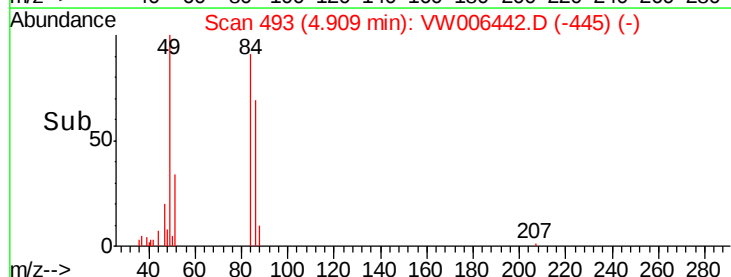
1000

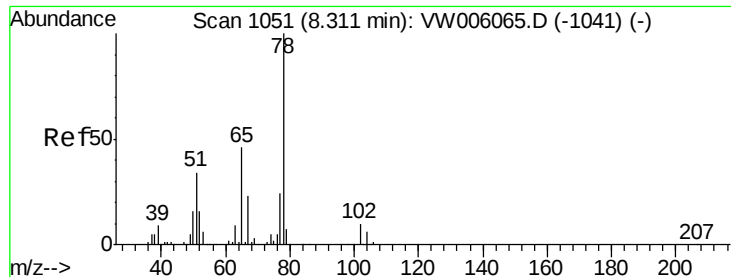
500

0

Time-->

4.80 4.90 5.00

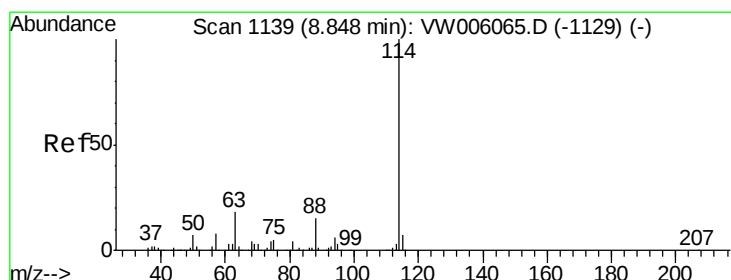
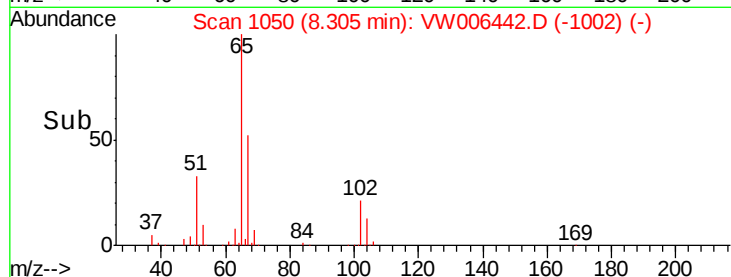
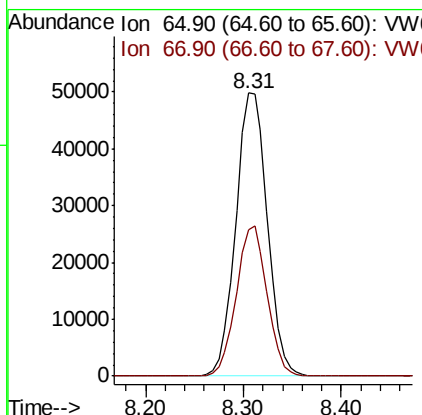
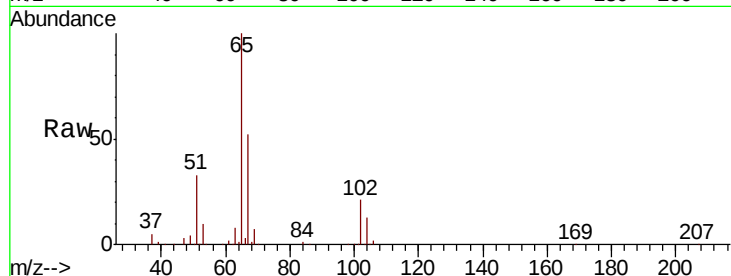




#33  
 1,2-Dichloroethane-d4  
 Concen: 63.790 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VW006442.D  
 Acq: 27 Oct 2018 09:35

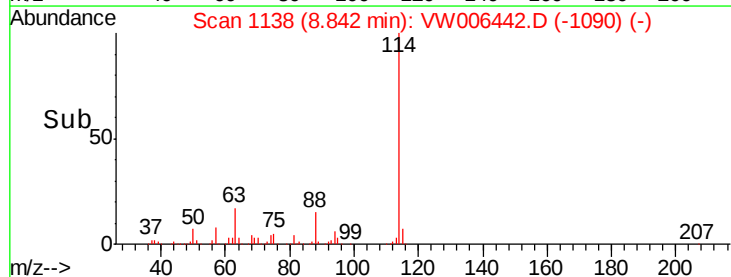
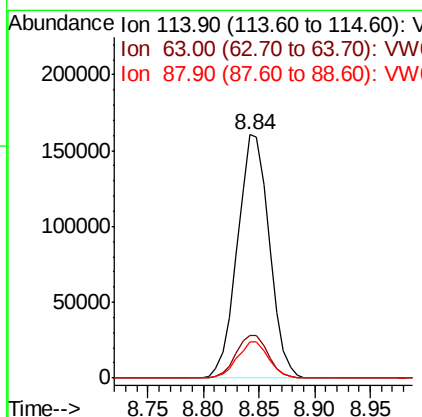
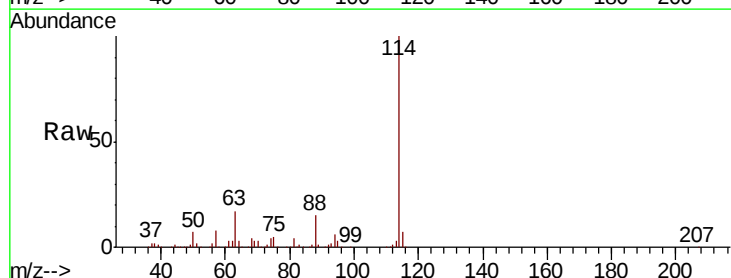
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PA-SED-01RE

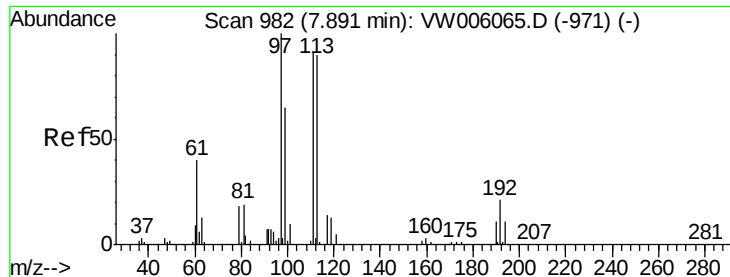
Tot Ion: 65 Resp: 111426  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 101.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.01 min  
 Lab File: VW006442.D  
 Acq: 27 Oct 2018 09:35

Tgt Ion: 114 Resp: 319195  
 Ion Ratio Lower Upper  
 114 100  
 63 17.5 0.0 36.8  
 88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.994 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006442.D

Acq: 27 Oct 2018 09:35

Instrument :

MSVOA\_W

ClientSampleId :

PA-SED-01RE

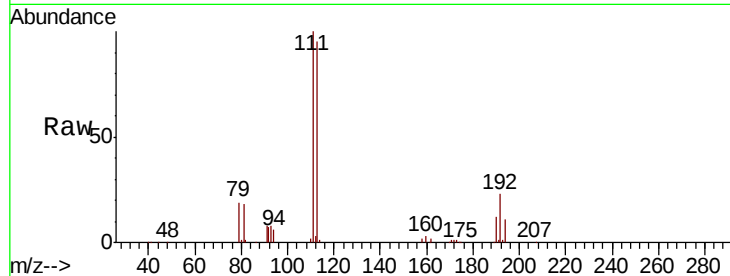
Tot Ion:113 Resp: 105610

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

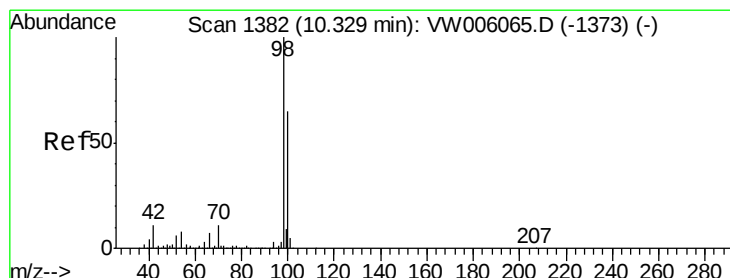
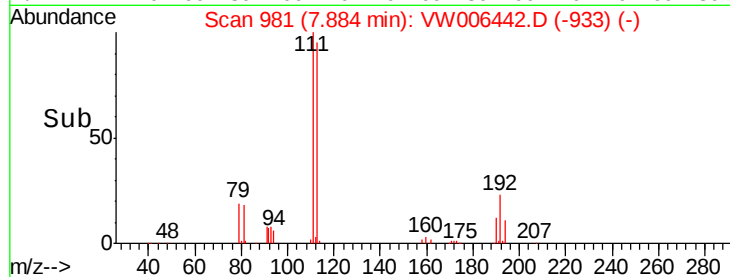
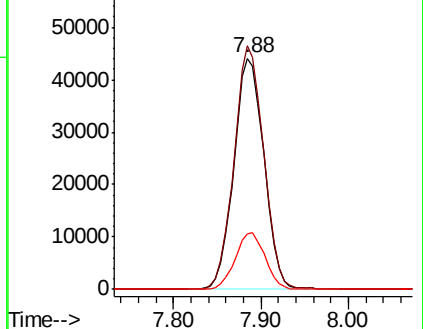
192 24.1 18.7 28.1



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: 46.458 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006442.D

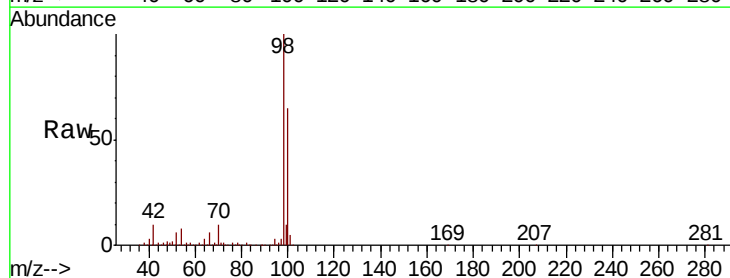
Acq: 27 Oct 2018 09:35

Tgt Ion: 98 Resp: 333371

Ion Ratio Lower Upper

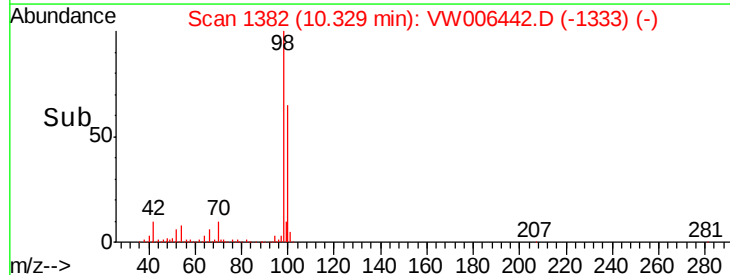
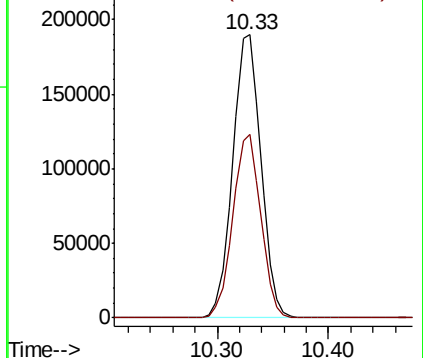
98 100

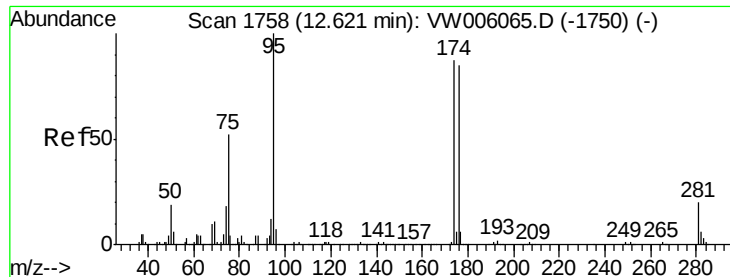
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

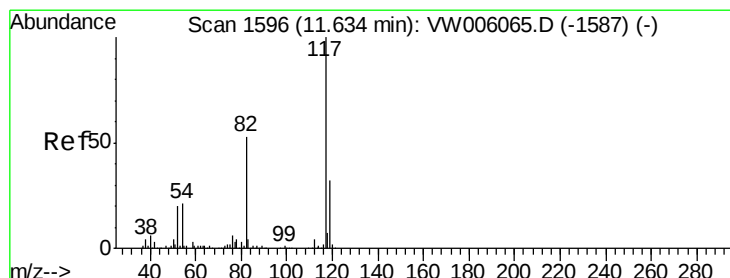
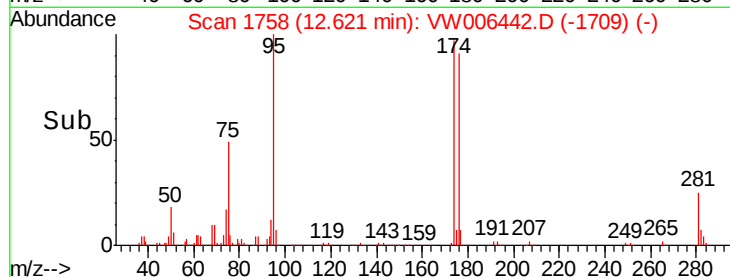
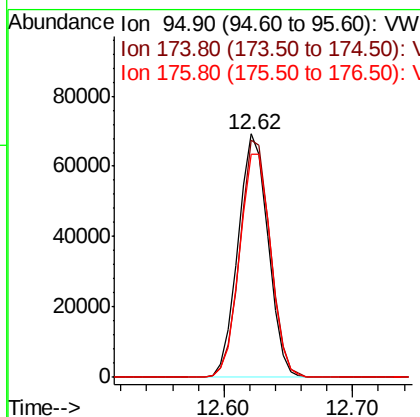
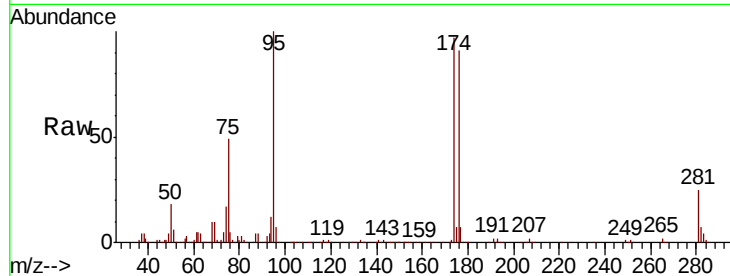




#62  
4-Bromofluorobenzene  
Concen: 41.441 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW006442.D  
Acq: 27 Oct 2018 09:35

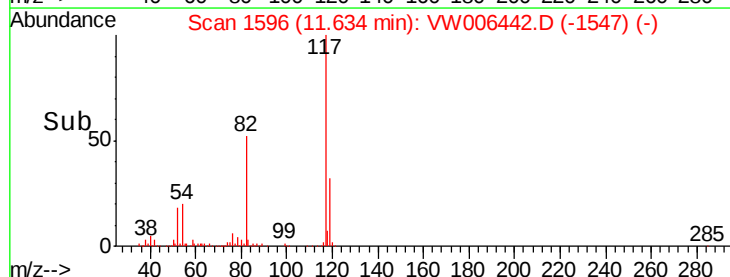
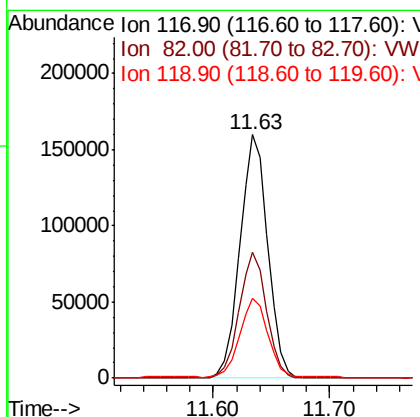
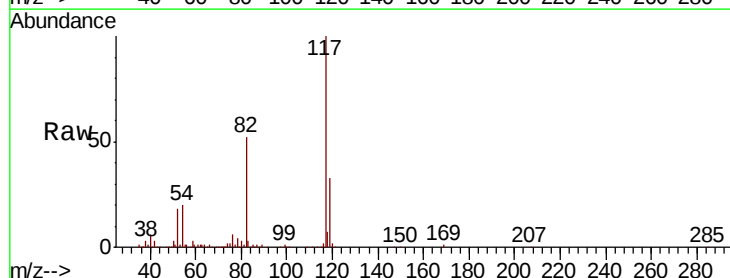
Instrument :  
MSVOA\_W  
ClientSampleId :  
PA-SED-01RE

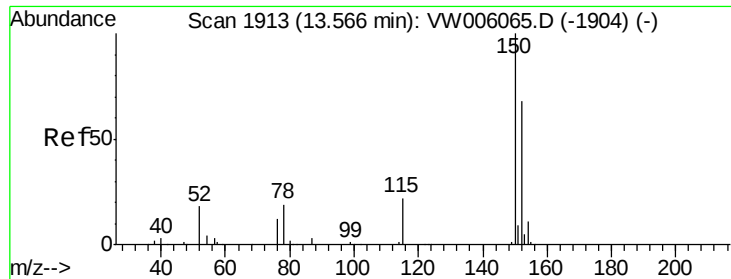
Tot Ion: 95 Resp: 111687  
Ion Ratio Lower Upper  
95 100  
174 97.7 0.0 186.0  
176 94.9 0.0 181.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW006442.D  
Acq: 27 Oct 2018 09:35

Tgt Ion: 117 Resp: 265520  
Ion Ratio Lower Upper  
117 100  
82 51.6 42.1 63.1  
119 32.4 25.8 38.6

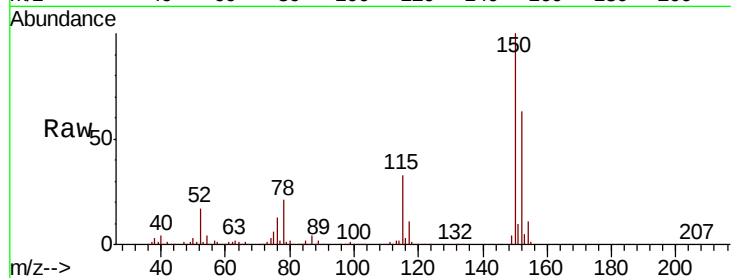




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.57 min Scan# 1913  
 Delta R.T. 0.00 min  
 Lab File: VW006442.D  
 Acq: 27 Oct 2018 09:35

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PA-SED-01RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.0  | 27.8  | 83.3  |
| 150     | 155.0 | 0.0   | 349.2 |



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

