

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101018\  
 Data File : VW005987.D  
 Acq On : 10 Oct 2018 14:45  
 Operator : SY/AP  
 Sample : J5306-02  
 Misc : 5.62G/5ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S-21-V

Quant Time: Oct 11 05:00:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 02:14:04 2018  
 Response via : Initial Calibration

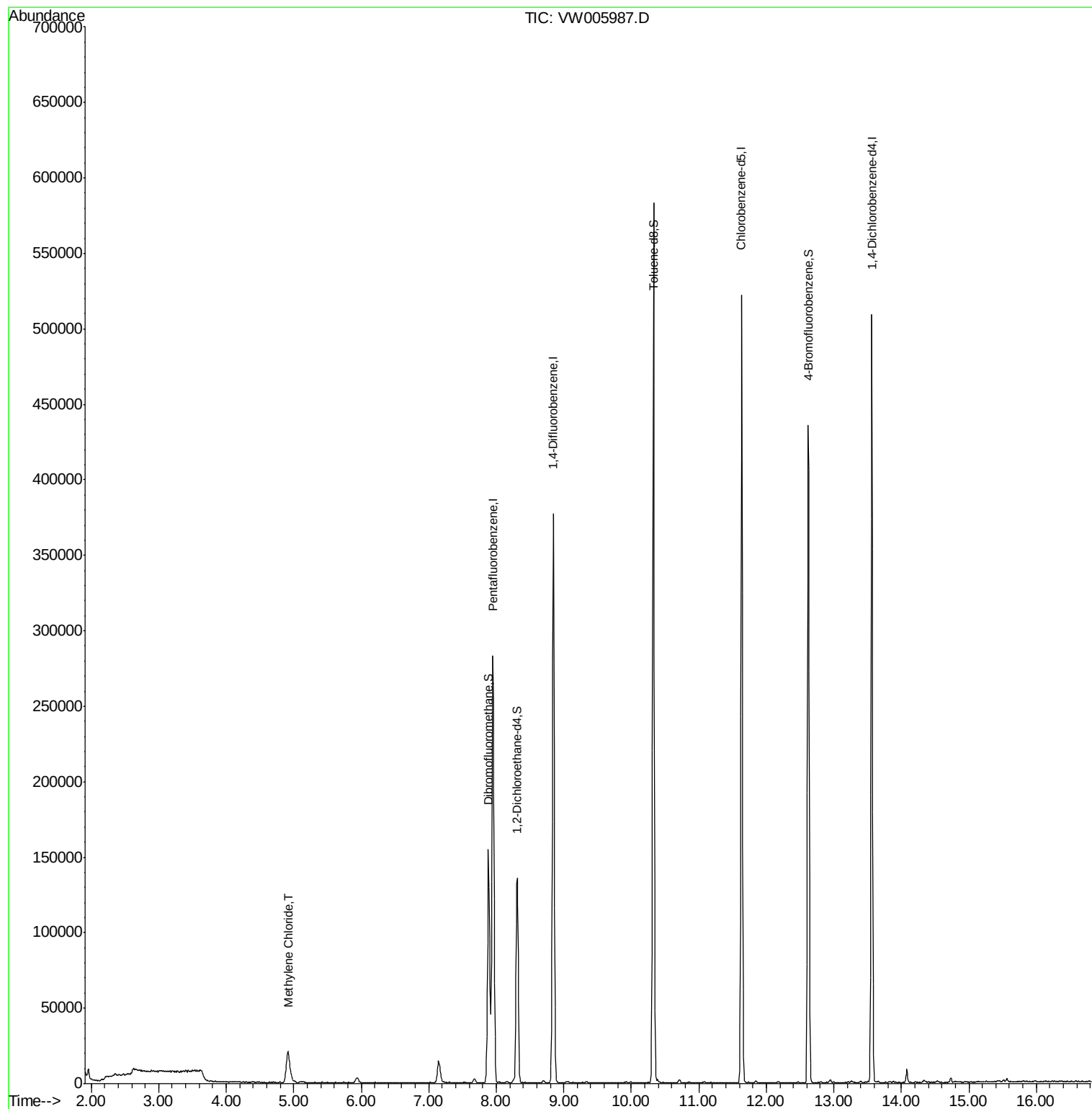
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 227399   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 336080   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 296651   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 140201   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 105996   | 48.02 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.04% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 106821   | 49.78 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.56% |           |
| 50) Toluene-d8              | 10.33 | 98   | 396840   | 48.07 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.14% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 133445   | 42.49 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 84.98% |           |
| Target Compounds            |       |      |          |       |        |           |
| 20) Methylene Chloride      | 4.92  | 84   | 19146    | 8.667 | ug/l   | Qvalue 95 |

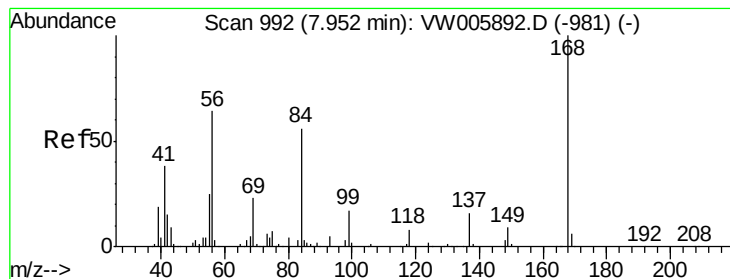
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S-21-V

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Quant Title : SW846 8260  
QLast Update : Tue Oct 09 02:14:04 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: VW005987.D

Acq: 10 Oct 2018 14:45

Instrument :

MSVOA\_W

ClientSampled :

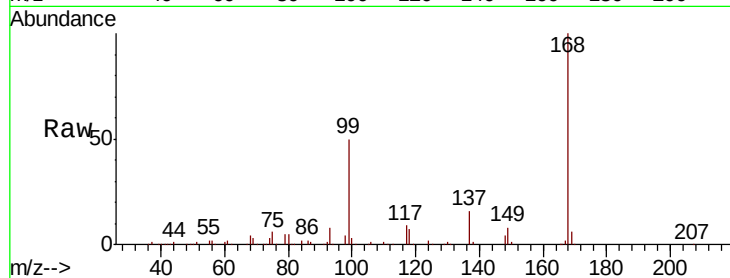
S-21-V

Tot Ion:168 Resp: 227399

Ion Ratio Lower Upper

168 100

99 49.5 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

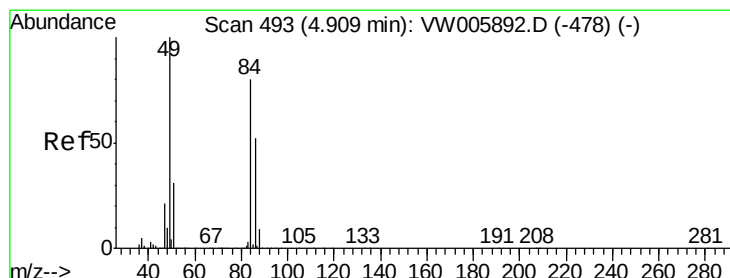
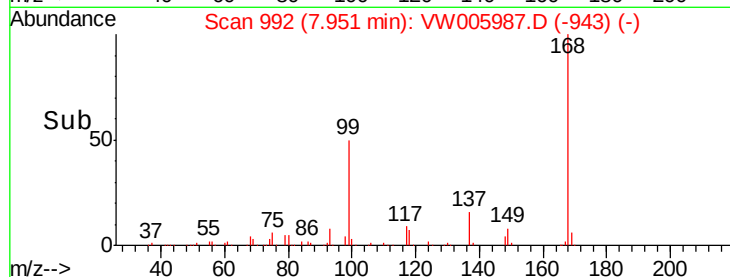
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 8.667 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW005987.D

Acq: 10 Oct 2018 14:45

Tgt Ion: 84 Resp: 19146

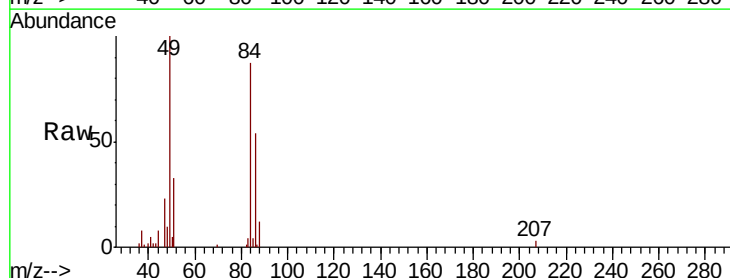
Ion Ratio Lower Upper

84 100

49 115.5 99.9 149.9

51 38.5 31.1 46.7

86 62.4 51.8 77.6



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

4.92

8000

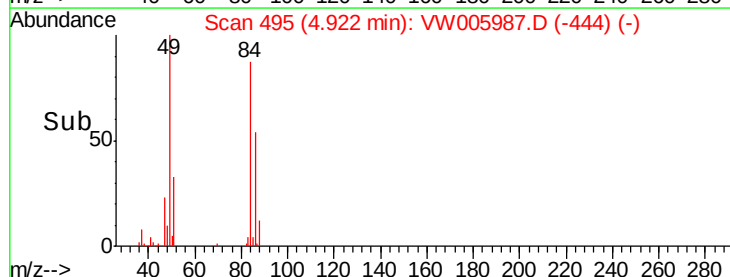
6000

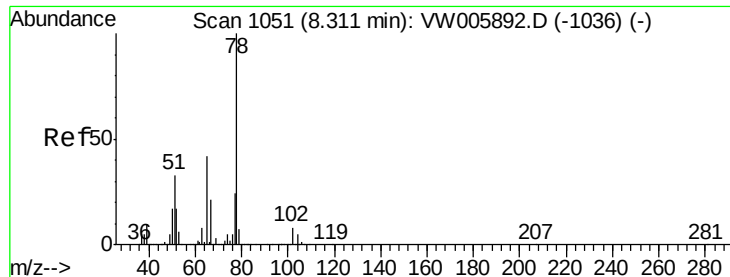
4000

2000

0

Time--> 4.80 4.90 5.00 5.10

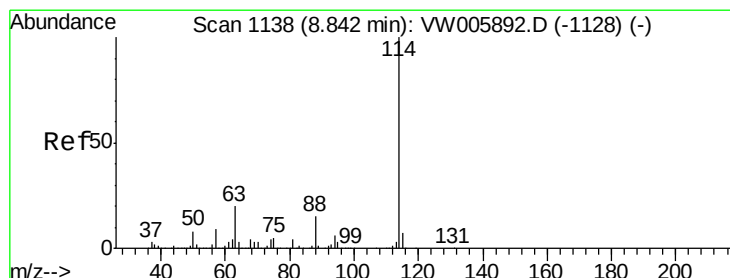
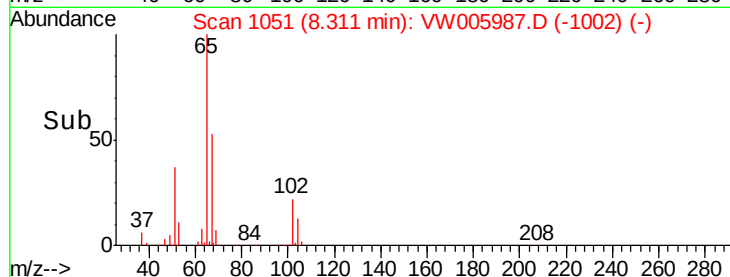
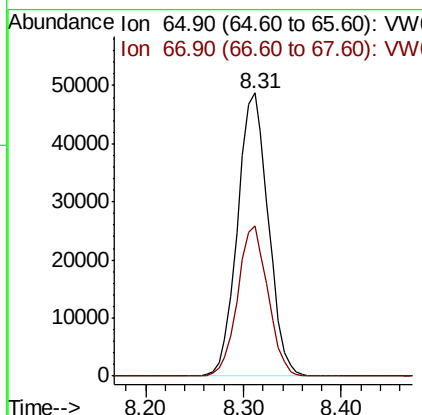
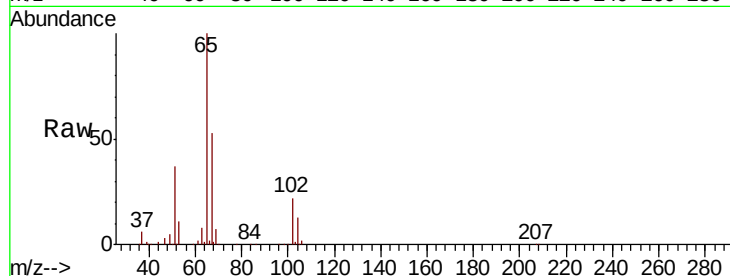




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.016 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW005987.D  
 Acq: 10 Oct 2018 14:45

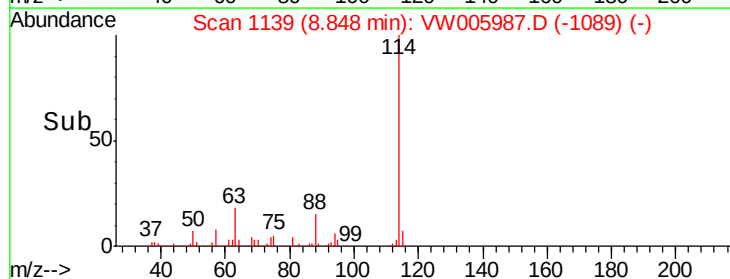
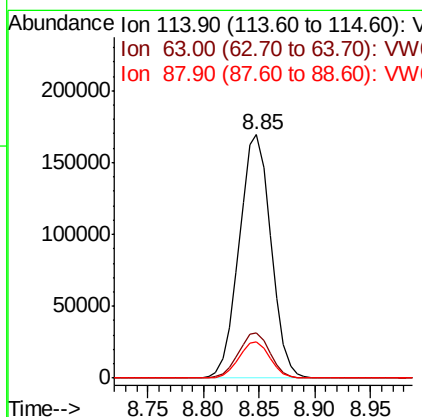
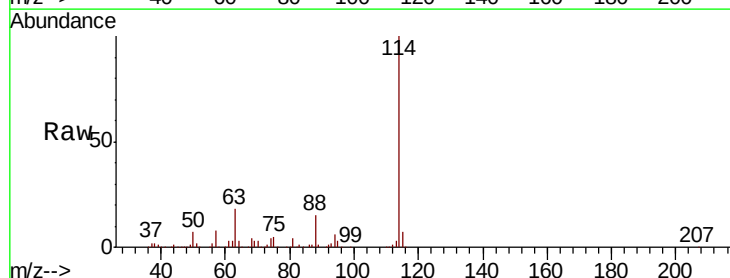
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 S-21-V

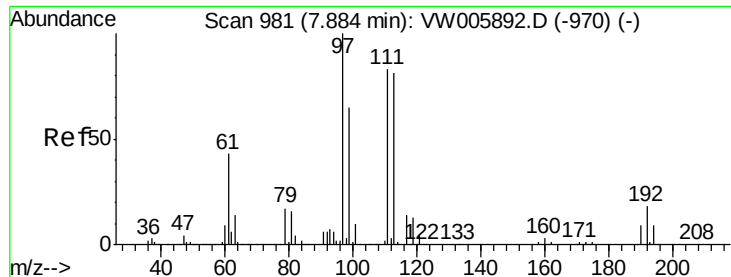
Tot Ion: 65 Resp: 105996  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VW005987.D  
 Acq: 10 Oct 2018 14:45

Tgt Ion: 114 Resp: 336080  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 39.2  
 88 14.6 0.0 30.8

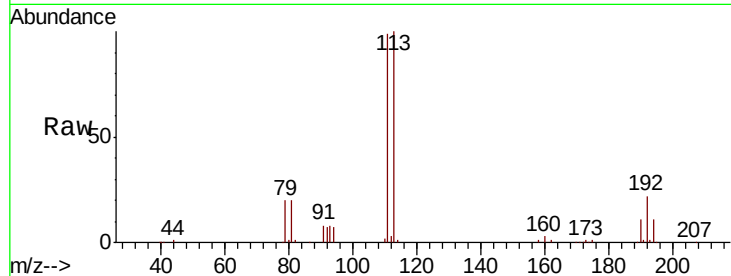




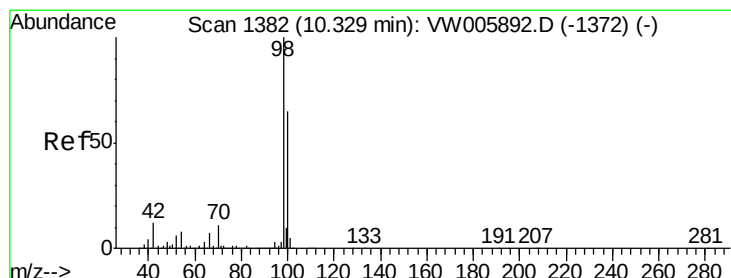
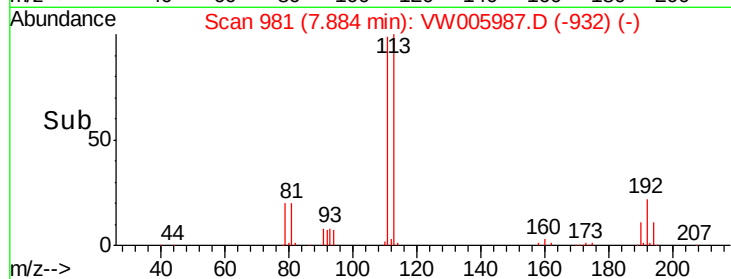
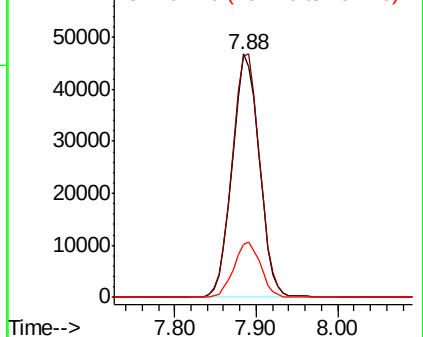
#35  
 Dibromofluoromethane  
 Concen: 49.783 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW005987.D  
 Acq: 10 Oct 2018 14:45

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 S-21-V

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.0  | 123.0 |
| 192     | 22.5  | 18.3  | 27.5  |

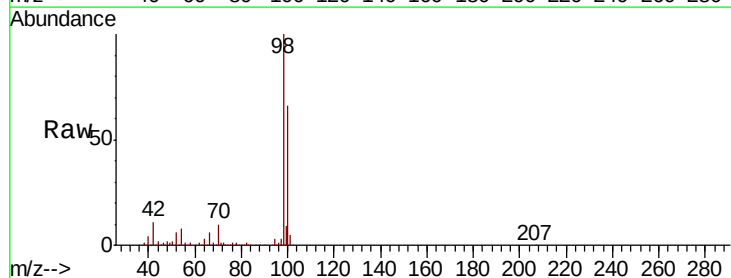


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

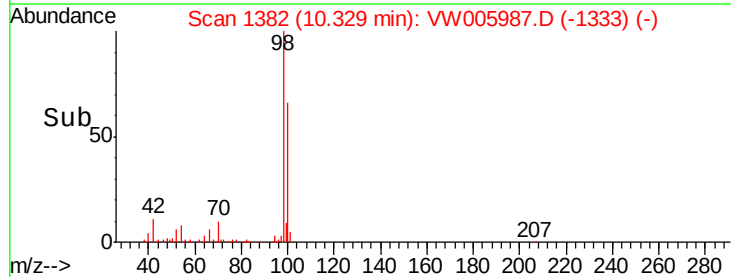
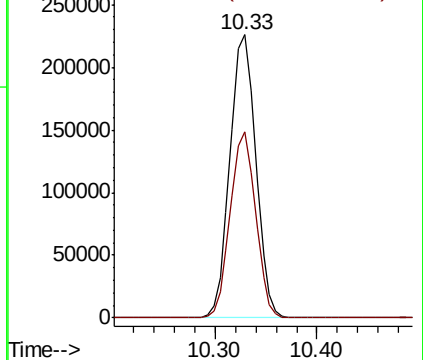


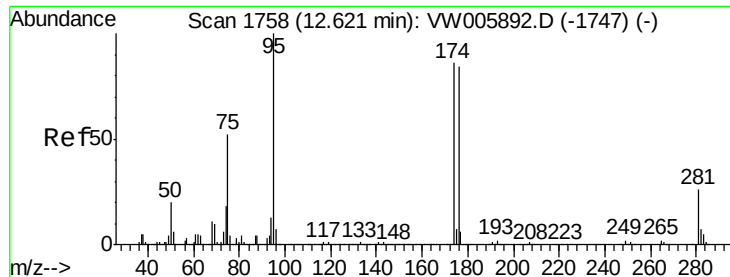
#50  
 Toluene-d8  
 Concen: 48.070 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. -0.00 min  
 Lab File: VW005987.D  
 Acq: 10 Oct 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.4  | 51.9  | 77.9  |



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

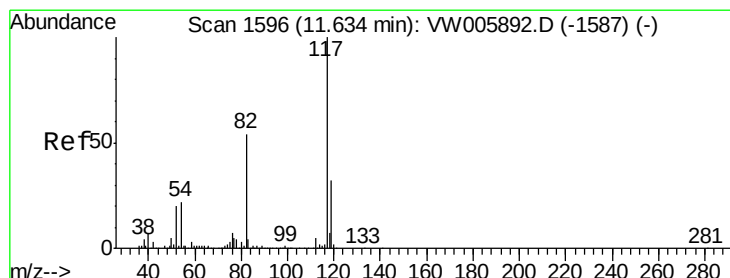
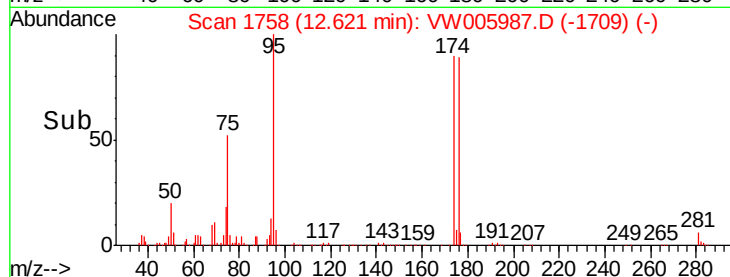
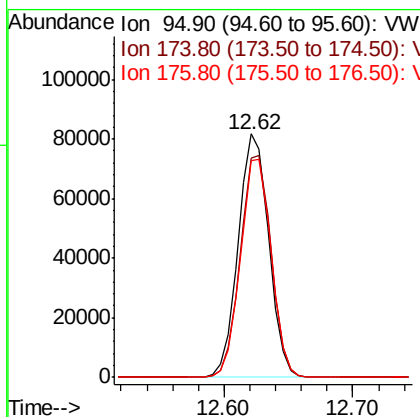
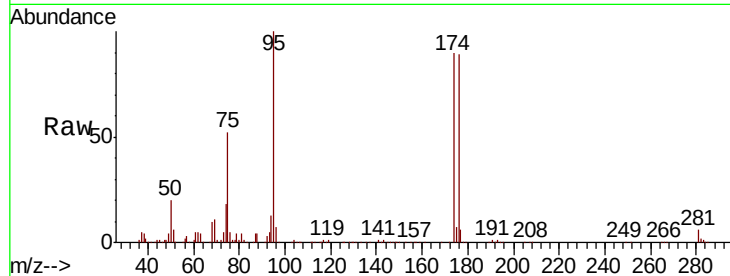




#62  
4-Bromofluorobenzene  
Concen: 42.486 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW005987.D  
Acq: 10 Oct 2018 14:45

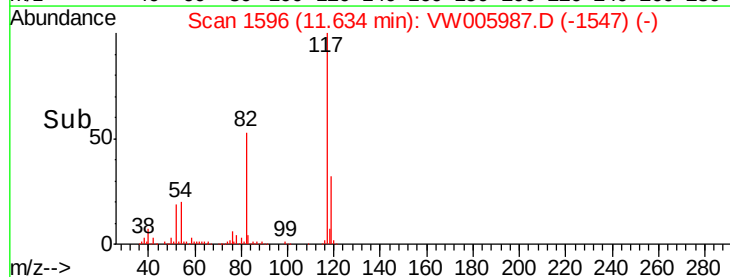
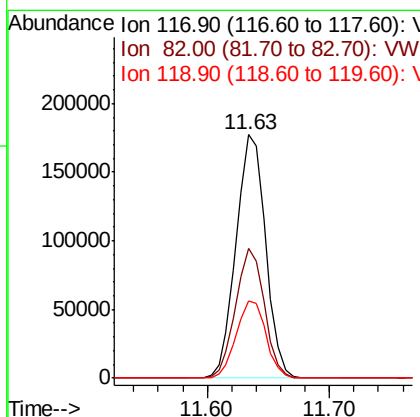
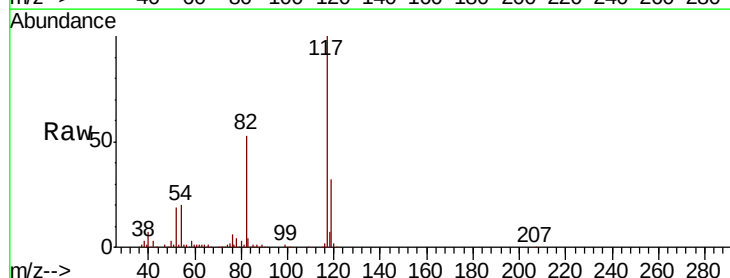
Instrument :  
MSVOA\_W  
ClientSampled :  
S-21-V

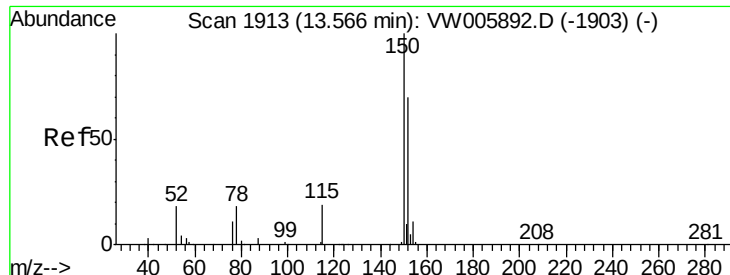
Tot Ion: 95 Resp: 133445  
Ion Ratio Lower Upper  
95 100  
174 92.4 0.0 176.4  
176 90.2 0.0 173.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW005987.D  
Acq: 10 Oct 2018 14:45

Tgt Ion: 117 Resp: 296651  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.5 65.3  
119 31.8 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005987.D

Acq: 10 Oct 2018 14:45

Instrument :

MSVOA\_W

ClientSampleId :

S-21-V

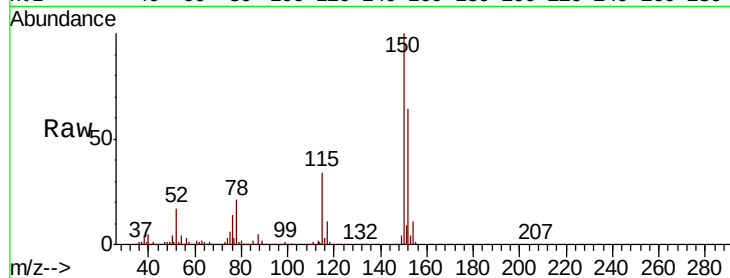
Tot Ion:152 Resp: 140201

Ion Ratio Lower Upper

152 100

115 55.6 28.3 85.0

150 158.2 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

