

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012819\  
 Data File : VW008431.D  
 Acq On : 28 Jan 2019 11:17  
 Operator : SY/VA  
 Sample : VW0128SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0128SBL01

Quant Time: Jan 29 04:20:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

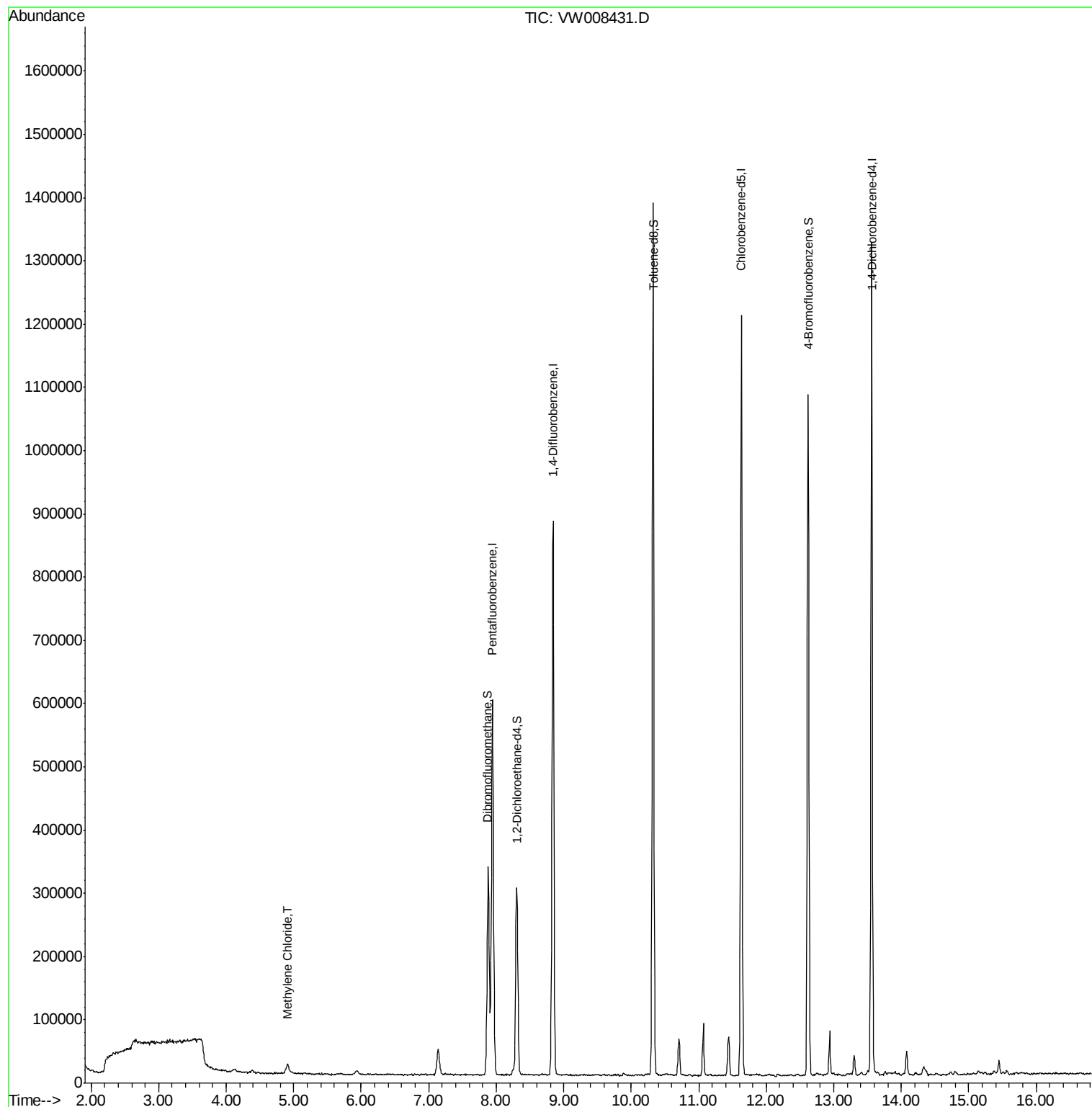
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 467379   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 752404   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 669057   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 334464   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 235030   | 51.19 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.38% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 230508   | 52.39 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.78% |           |
| 50) Toluene-d8              | 10.32 | 98   | 896675   | 50.82 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.64% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 331142   | 48.83 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.66%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.91  | 84   | 10169    | 2.140 | ug/l    | Qvalue 91 |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 25 11:07:41 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008431.D

Acq: 28 Jan 2019 11:17

Instrument :

MSVOA\_W

ClientSampleId :

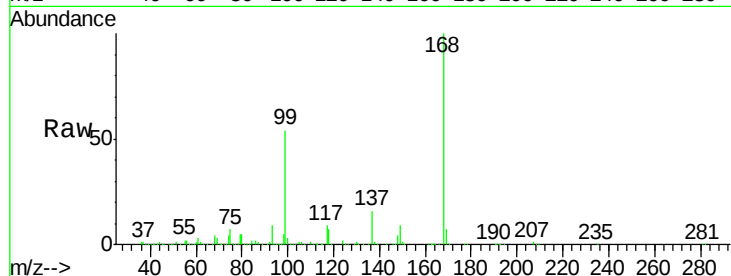
VW0128SBL01

Tot Ion:168 Resp: 467379

Ion Ratio Lower Upper

168 100

99 54.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

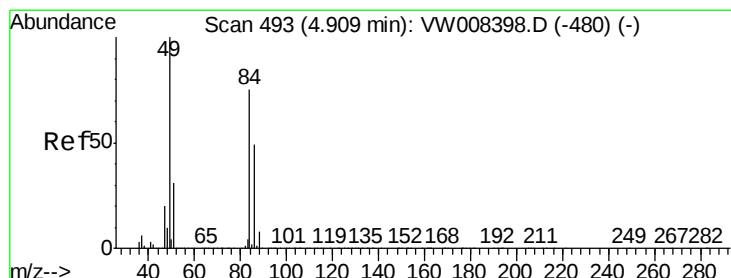
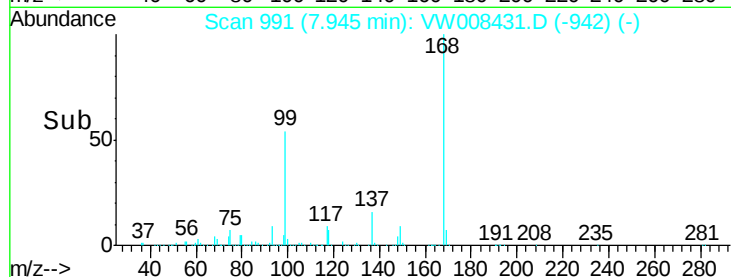
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 2.140 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008431.D

Acq: 28 Jan 2019 11:17

Tgt Ion: 84 Resp: 10169

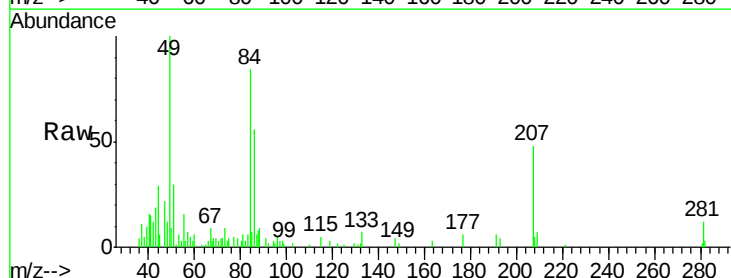
Ion Ratio Lower Upper

84 100

49 122.5 106.8 160.2

51 33.3 32.9 49.3

86 69.5 52.2 78.2



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

6000

5000

4000

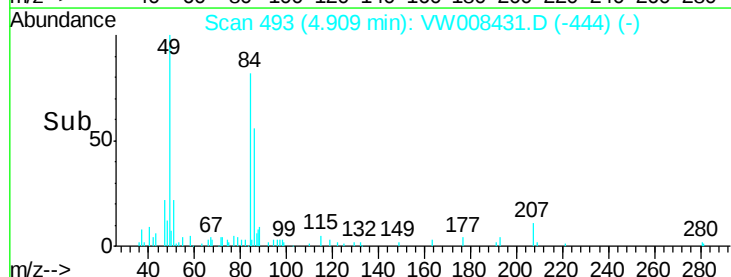
3000

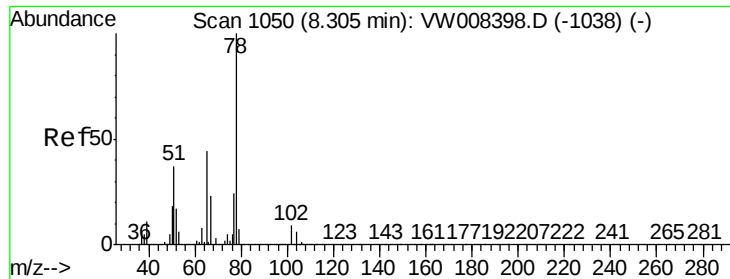
2000

1000

0

Time--> 4.80 4.85 4.90 4.95

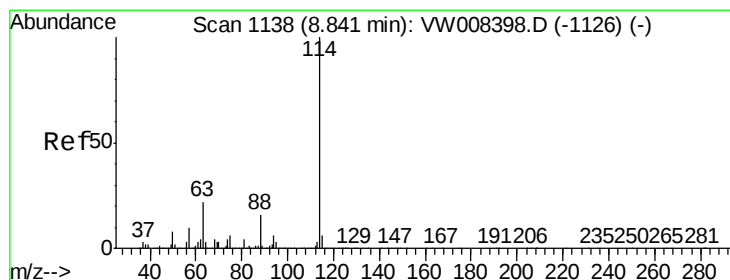
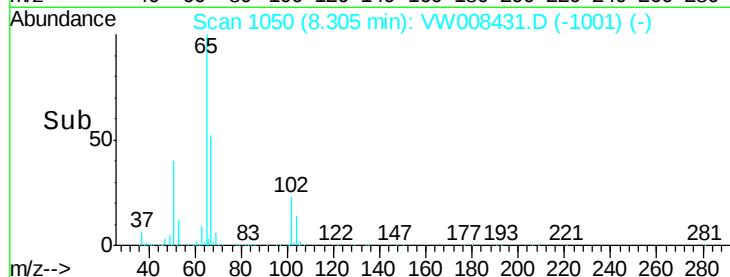
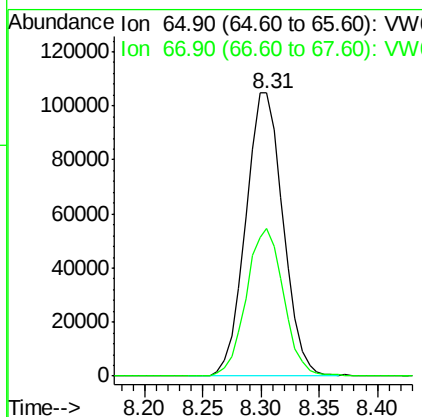
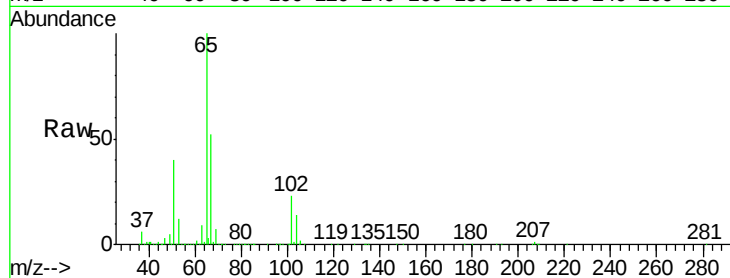




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.187 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW008431.D  
 Acq: 28 Jan 2019 11:17

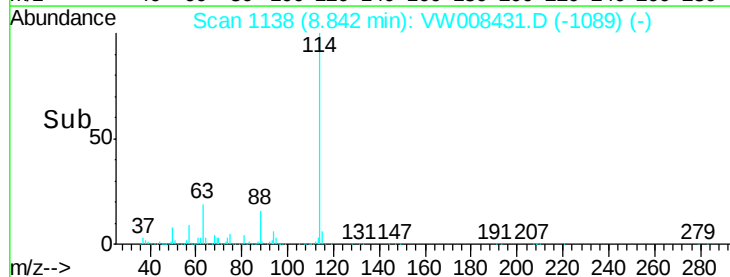
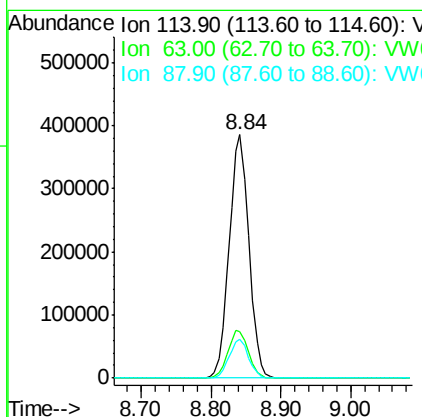
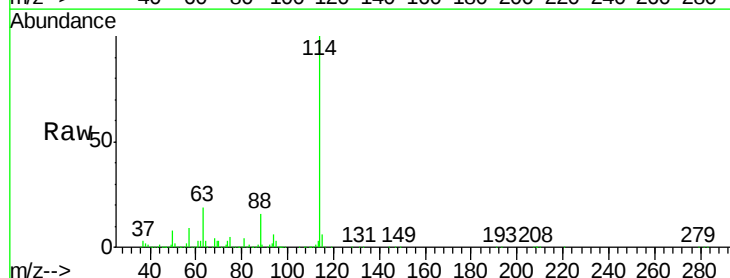
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0128SBL01

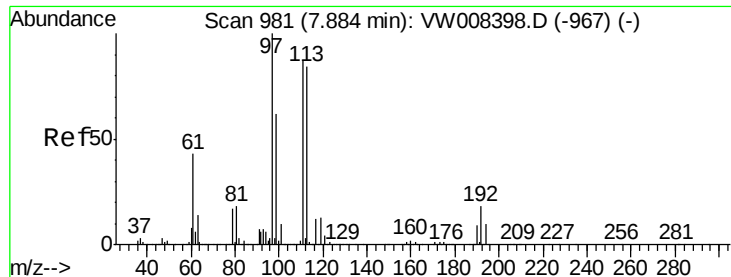
Tot Ion: 65 Resp: 235030  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW008431.D  
 Acq: 28 Jan 2019 11:17

Tgt Ion: 114 Resp: 752404  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 43.6  
 88 15.7 0.0 31.8

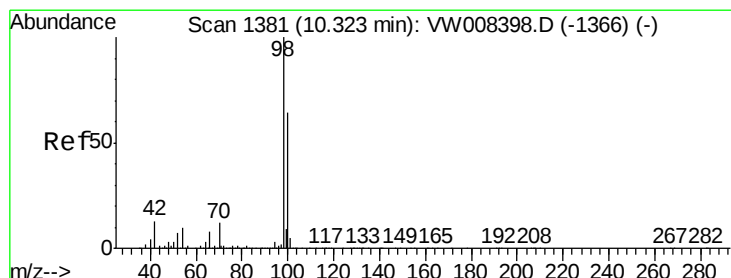
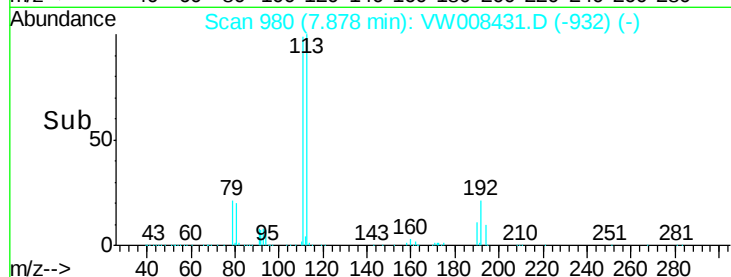
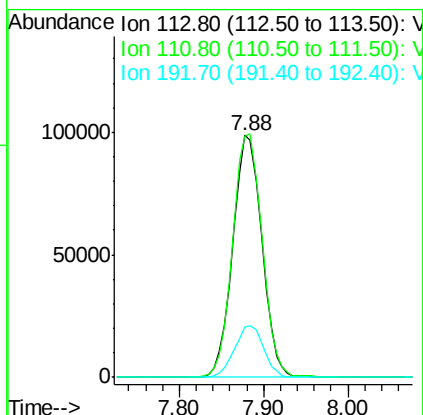
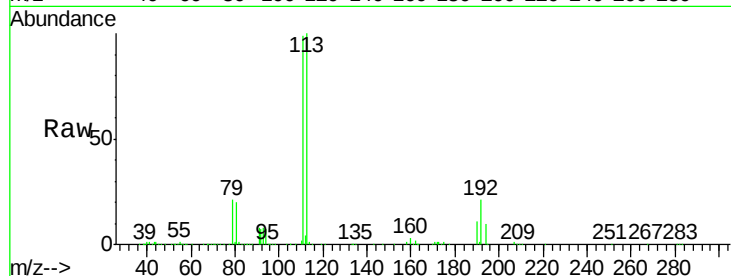




#35  
Dibromofluoromethane  
Concen: 52.393 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: VW008431.D  
Acq: 28 Jan 2019 11:17

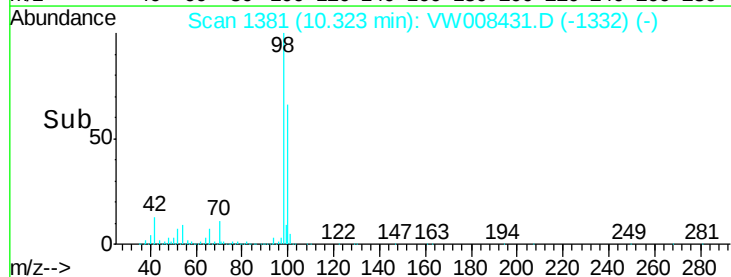
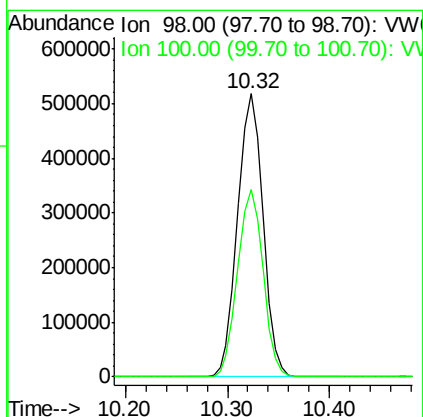
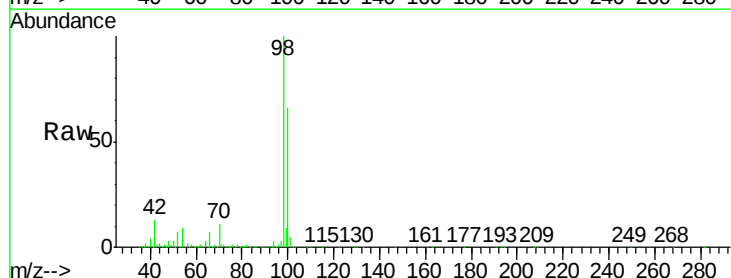
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0128SBL01

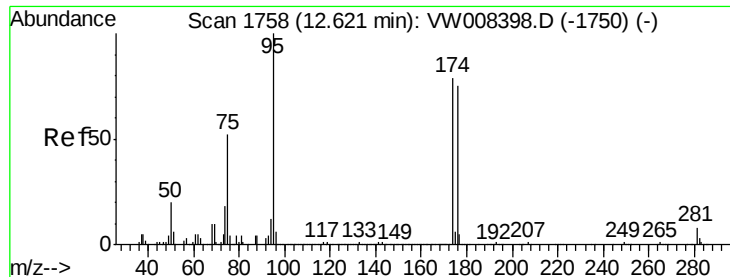
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.1 | 81.0  | 121.4 |
| 192     | 21.5  | 16.8  | 25.2  |



#50  
Toluene-d8  
Concen: 50.825 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW008431.D  
Acq: 28 Jan 2019 11:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.4  | 52.6  | 78.8  |

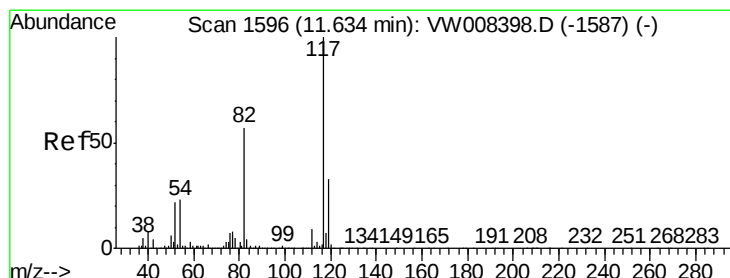
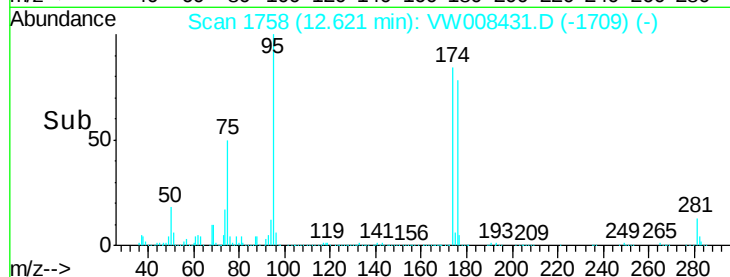
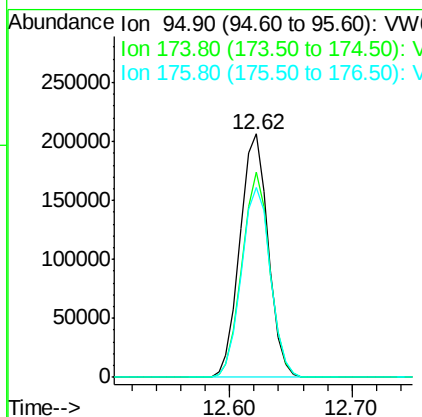
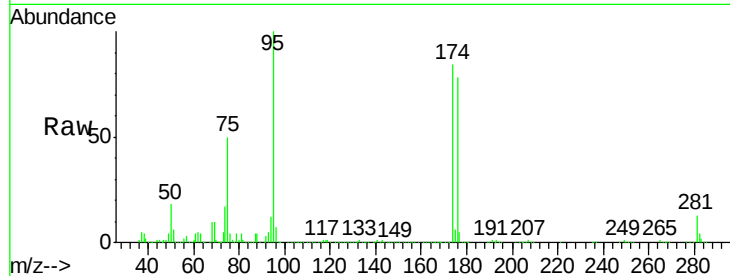




#62  
4-Bromofluorobenzene  
Concen: 48.830 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW008431.D  
Acq: 28 Jan 2019 11:17

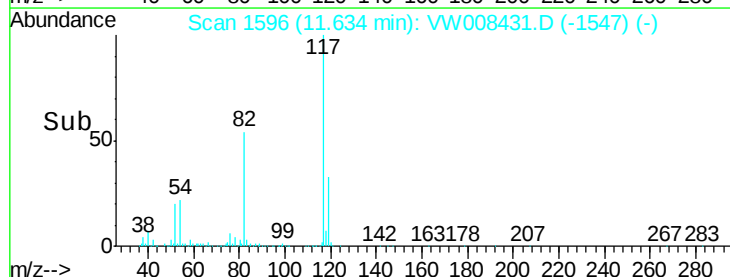
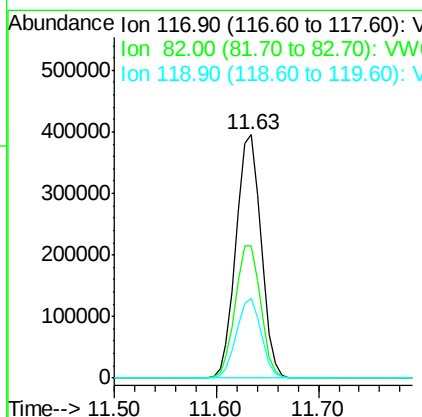
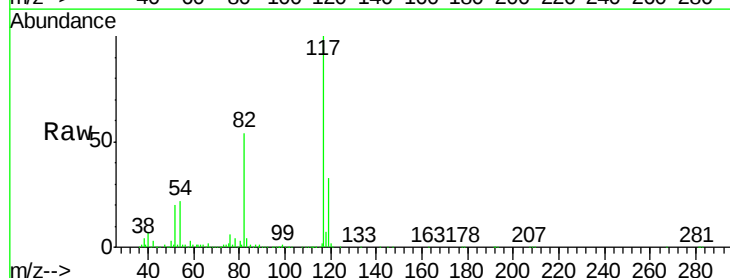
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0128SBL01

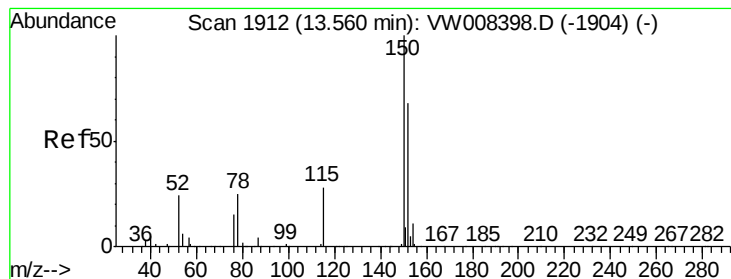
Tot Ion: 95 Resp: 331142  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 157.6  
176 80.2 0.0 151.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008431.D  
Acq: 28 Jan 2019 11:17

Tgt Ion: 117 Resp: 669057  
Ion Ratio Lower Upper  
117 100  
82 54.3 45.4 68.0  
119 32.9 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008431.D

Acq: 28 Jan 2019 11:17

Instrument :

MSVOA\_W

ClientSampleId :

VW0128SBL01

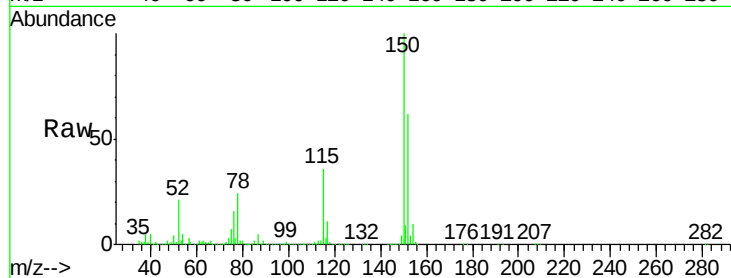
Tot Ion:152 Resp: 334464

Ion Ratio Lower Upper

152 100

115 58.3 29.9 89.7

150 160.4 0.0 351.4



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

