

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012119\  
 Data File : VW008373.D  
 Acq On : 21 Jan 2019 14:20  
 Operator : SY/VA  
 Sample : K1205-04  
 Misc : 6.28G/5ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C-4

Quant Time: Jan 22 04:16:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W011719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 18 00:57:07 2019  
 Response via : Initial Calibration

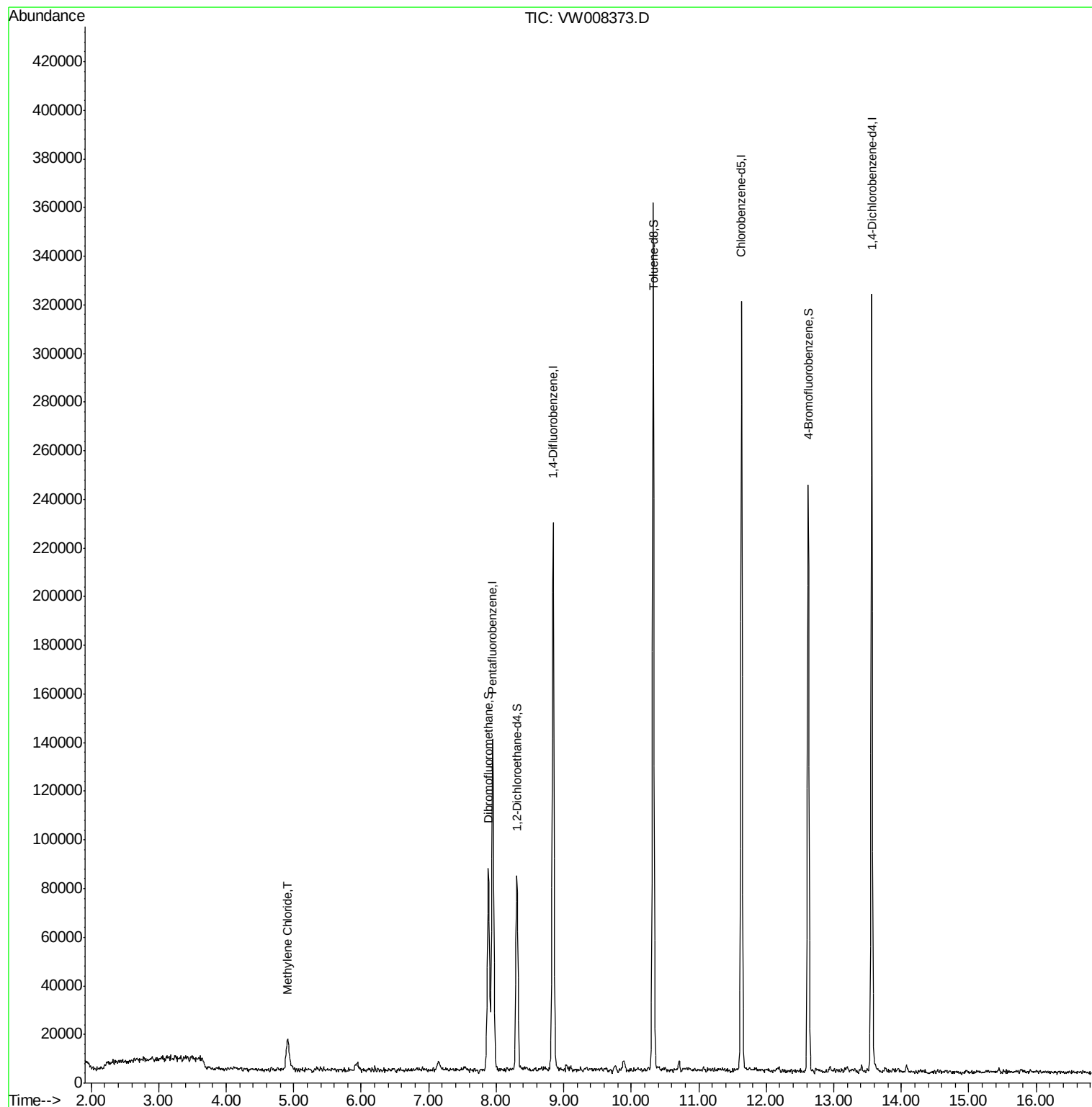
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 101529   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 182930   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 170359   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 78163    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 60186    | 56.99 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 113.98% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 59659    | 51.09 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.18% |           |
| 50) Toluene-d8              | 10.32 | 98   | 238477   | 51.99 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.98% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 78170    | 47.51 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.02%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.91  | 84   | 11136    | 6.713 | ug/l    | Qvalue 95 |

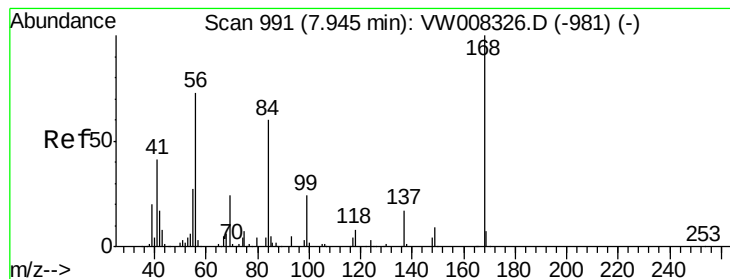
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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C-4

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Quant Title : SW846 8260  
QLast Update : Fri Jan 18 00:57:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008373.D

Acq: 21 Jan 2019 14:20

Instrument :

MSVOA\_W

ClientSampled :

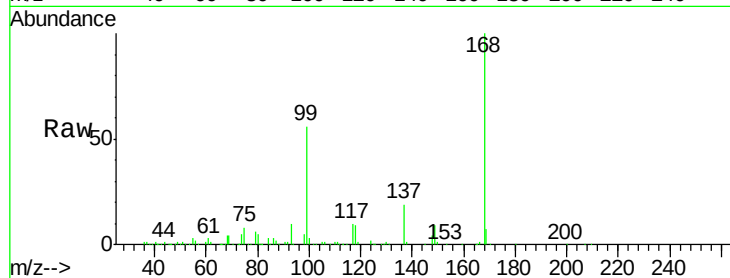
C-4

Tot Ion:168 Resp: 101529

Ion Ratio Lower Upper

168 100

99 56.1 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

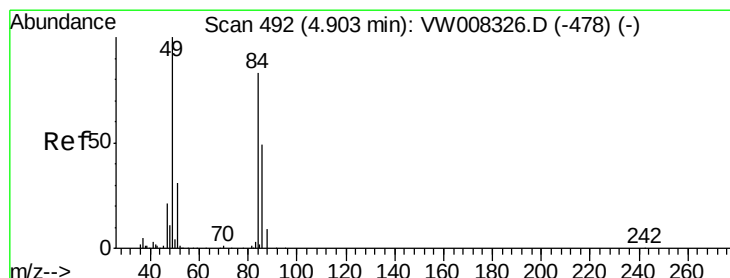
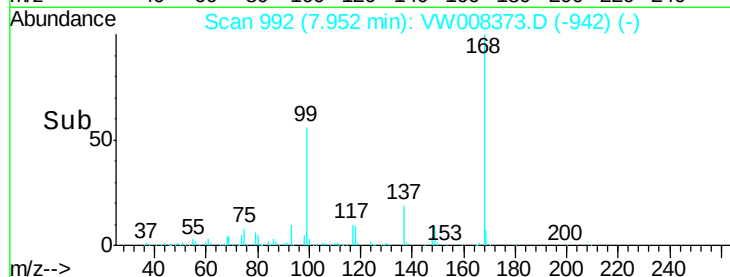
30000

20000

10000

0

Time--> 7.80 7.90 8.00



#20

Methylene Chloride

Concen: 6.713 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008373.D

Acq: 21 Jan 2019 14:20

Tgt Ion: 84 Resp: 11136

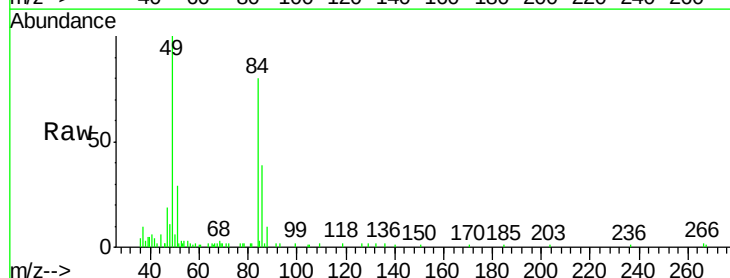
Ion Ratio Lower Upper

84 100

49 118.6 95.9 143.9

51 34.4 29.3 43.9

86 49.4 47.4 71.2



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

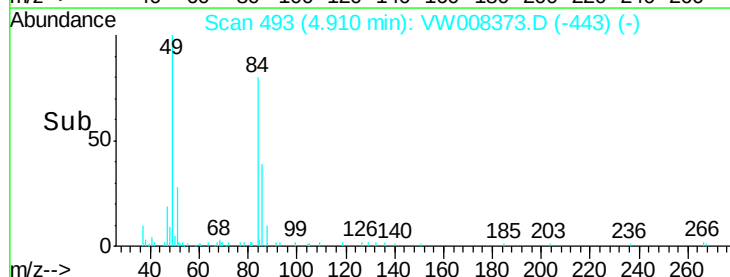
3000

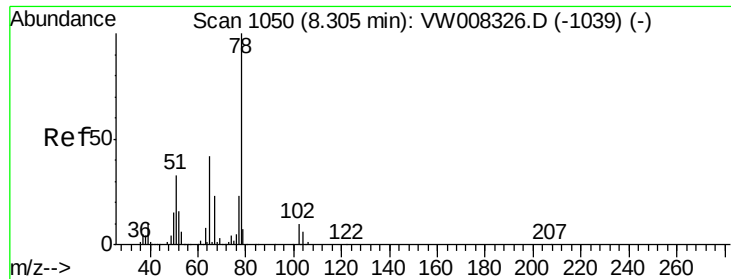
2000

1000

0

Time--> 4.80 4.90 5.00

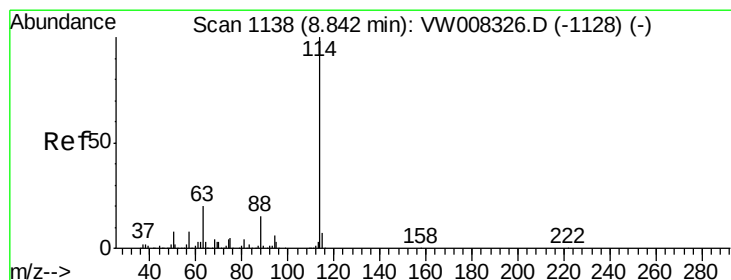
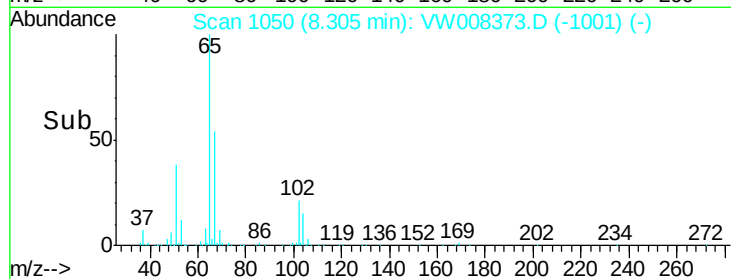
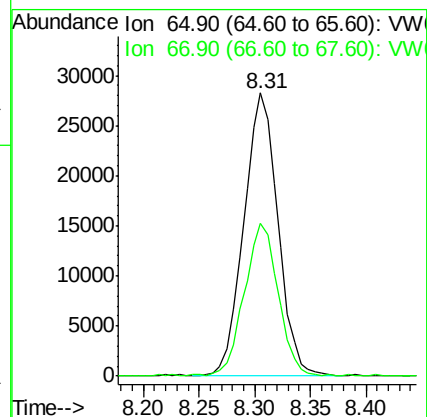
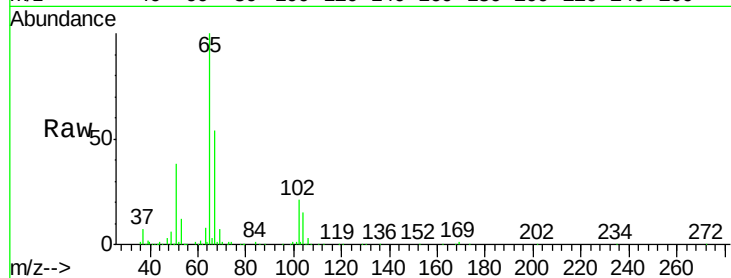




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.987 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW008373.D  
 Acq: 21 Jan 2019 14:20

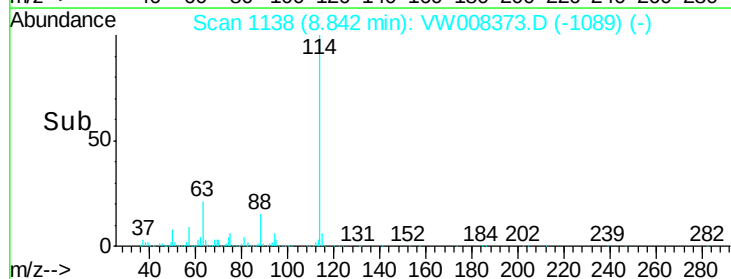
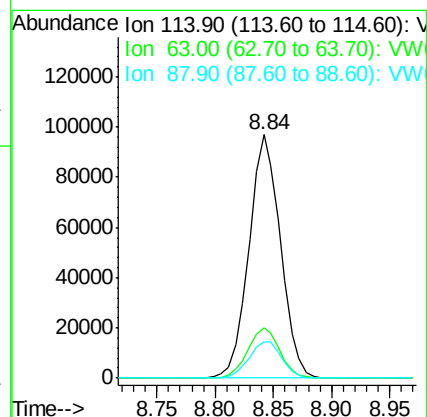
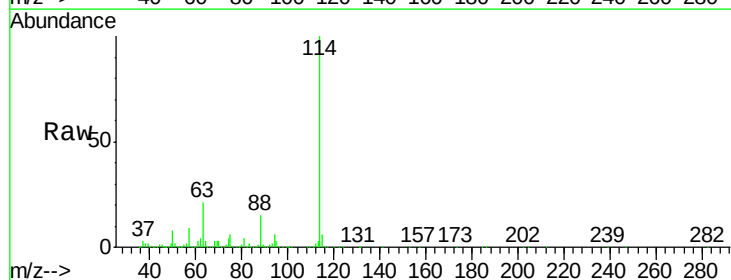
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 C-4

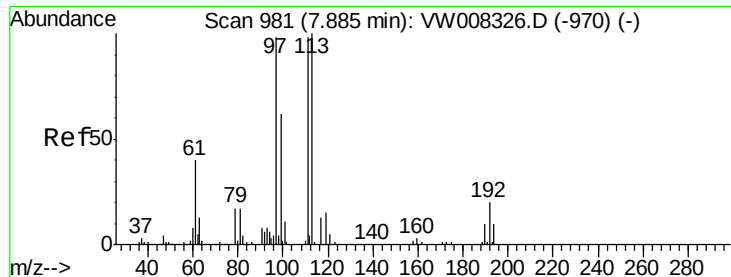
Tot Ion: 65 Resp: 60186  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW008373.D  
 Acq: 21 Jan 2019 14:20

Tgt Ion: 114 Resp: 182930  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 40.8  
 88 14.9 0.0 30.4

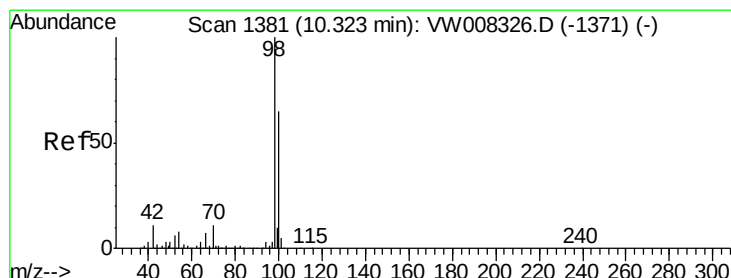
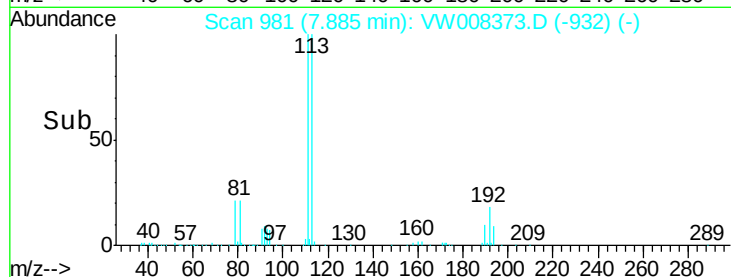
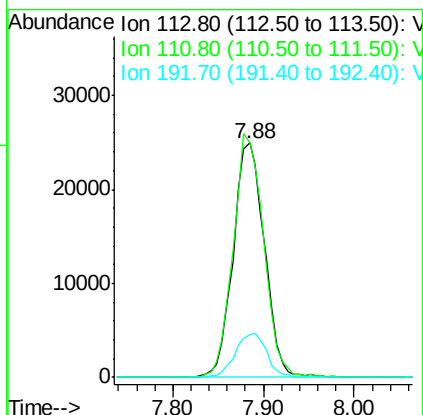
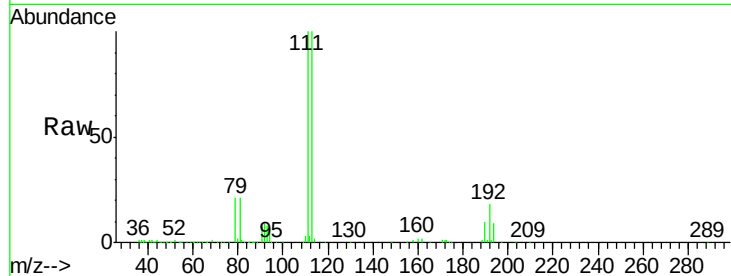




#35  
 Dibromofluoromethane  
 Concen: 51.091 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW008373.D  
 Acq: 21 Jan 2019 14:20

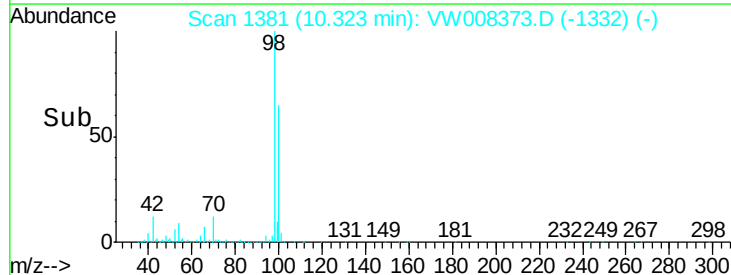
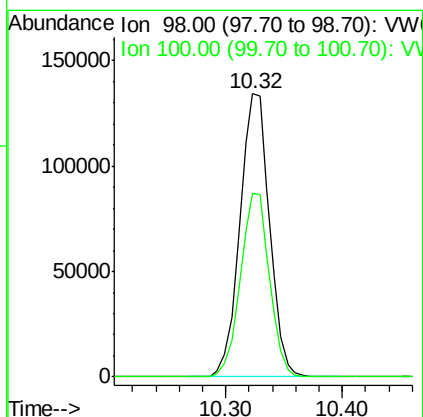
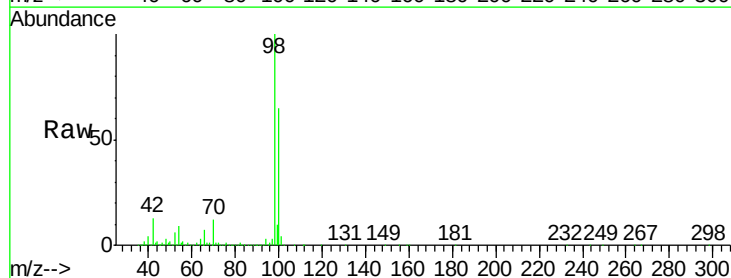
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C-4

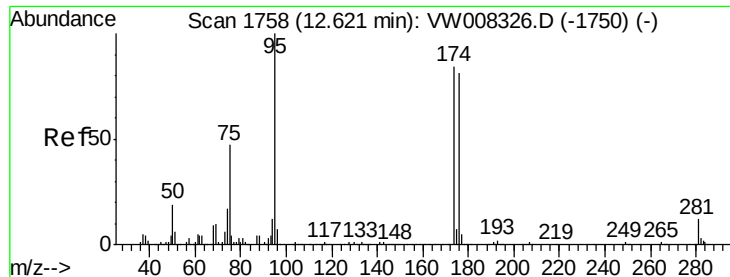
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.5 | 81.8  | 122.8 |
| 192     | 18.9  | 16.3  | 24.5  |



#50  
 Toluene-d8  
 Concen: 51.985 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW008373.D  
 Acq: 21 Jan 2019 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.5  | 51.8  | 77.8  |

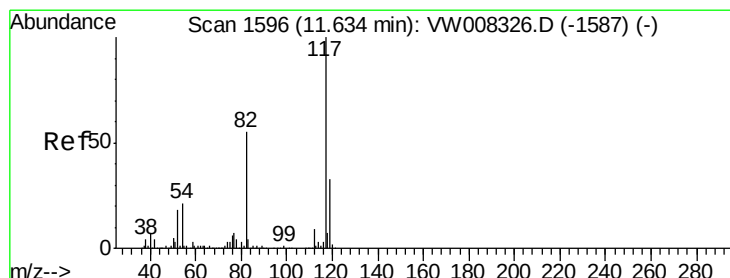
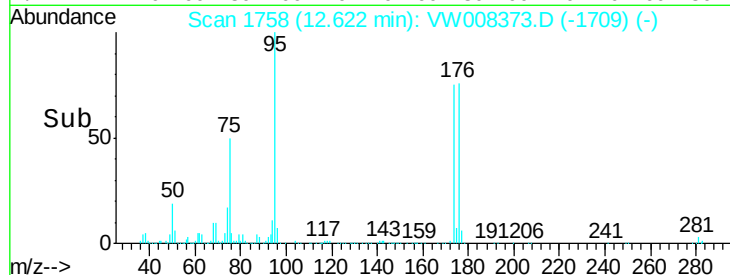
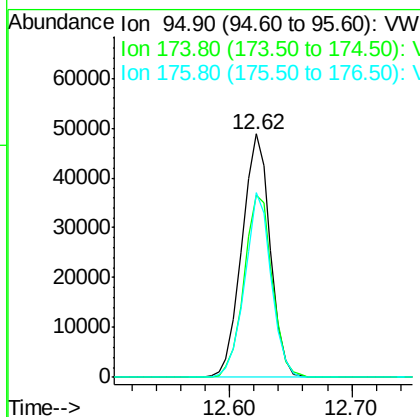
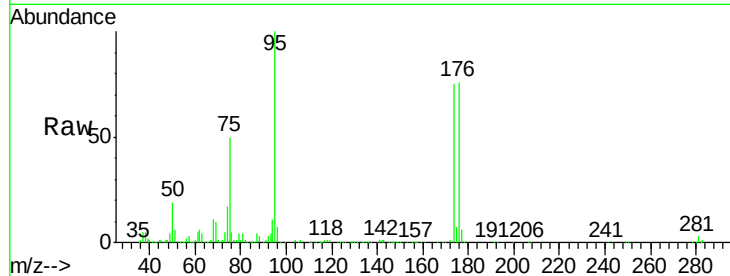




#62  
4-Bromofluorobenzene  
Concen: 47.512 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW008373.D  
Acq: 21 Jan 2019 14:20

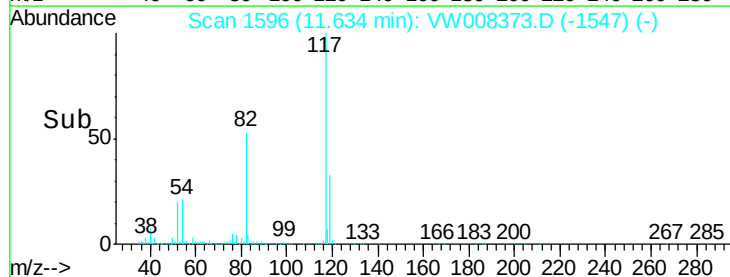
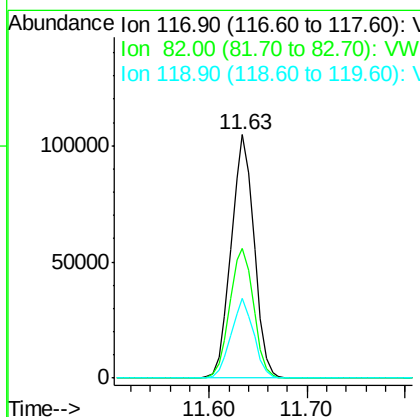
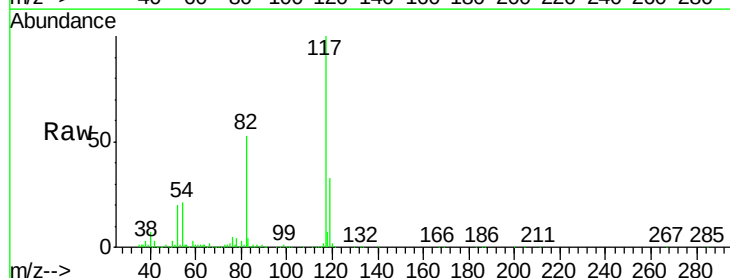
Instrument :  
MSVOA\_W  
ClientSampleId :  
C-4

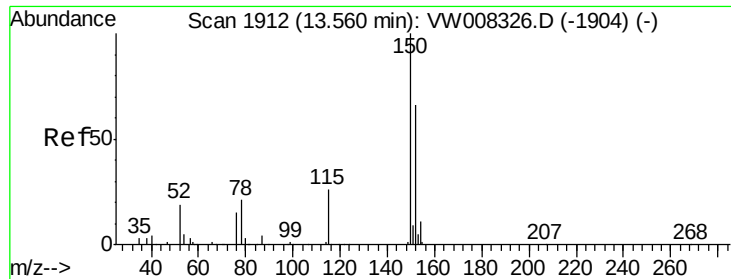
Tot Ion: 95 Resp: 78170  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 166.0  
176 71.2 0.0 160.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008373.D  
Acq: 21 Jan 2019 14:20

Tgt Ion: 117 Resp: 170359  
Ion Ratio Lower Upper  
117 100  
82 53.4 44.3 66.5  
119 32.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008373.D

Acq: 21 Jan 2019 14:20

Instrument :

MSVOA\_W

ClientSampleId :

C-4

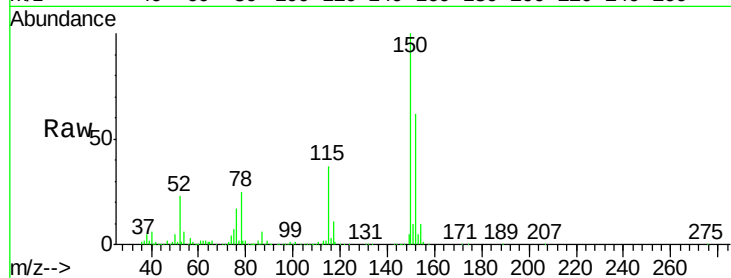
Tot Ion:152 Resp: 78163

Ion Ratio Lower Upper

152 100

115 60.6 28.8 86.4

150 161.1 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

