

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW111319\  
 Data File : VW014004.D  
 Acq On : 13 Nov 2019 14:06  
 Operator : SY/VA  
 Sample : K5742-06  
 Misc : 6.59G/5.0ML/MSVOA\_W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-30-(6-8)

Quant Time: Nov 14 06:45:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 23 14:11:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 50234    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 71632    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 62783    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 18908    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65  | 22099    | 58.64 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 117.28% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 23150    | 58.16 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 116.32% |      |
| 50) Toluene-d8              | 10.32  | 98  | 83393    | 51.42 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.84% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 23106    | 42.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 84.14%  |      |

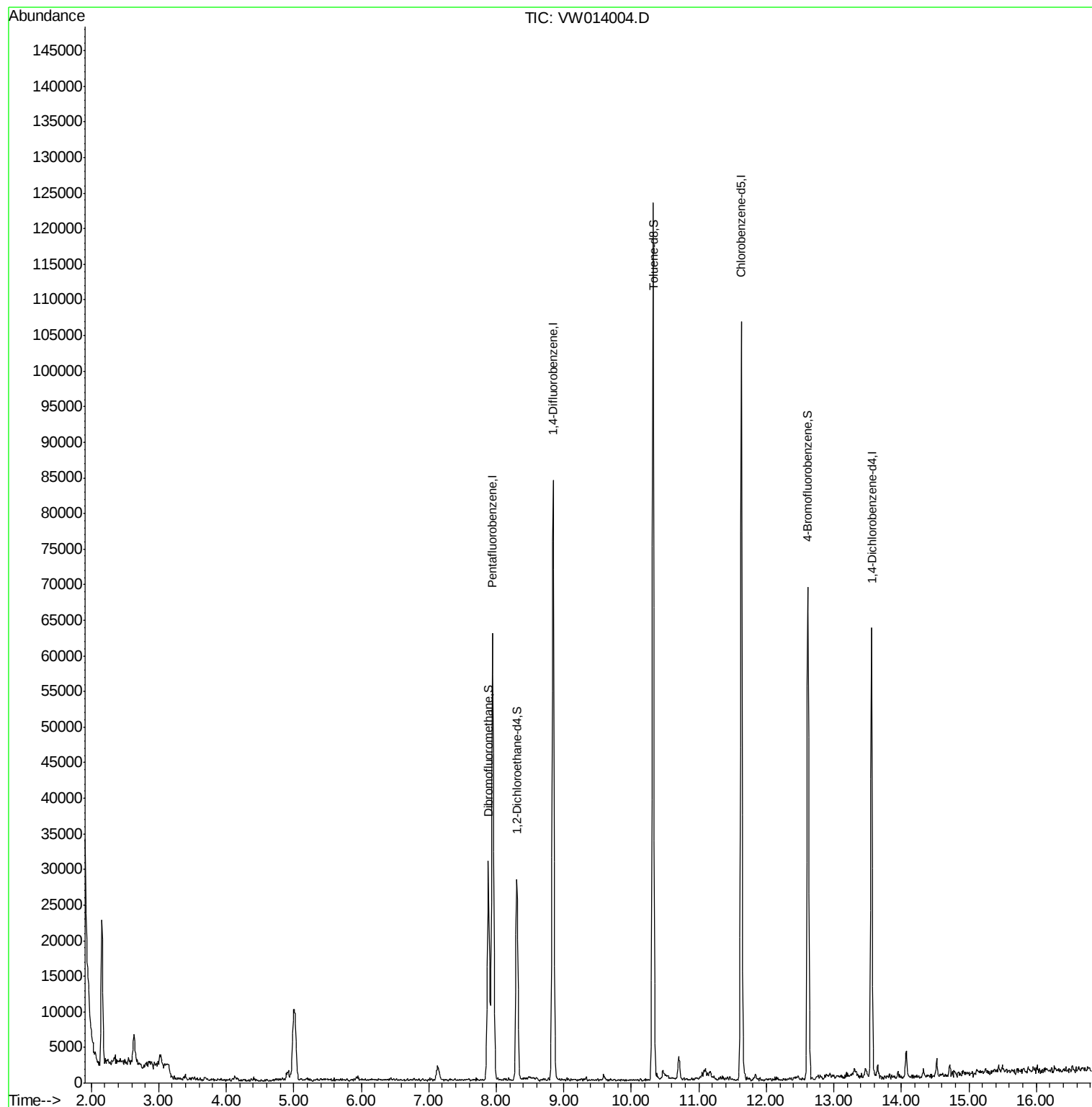
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

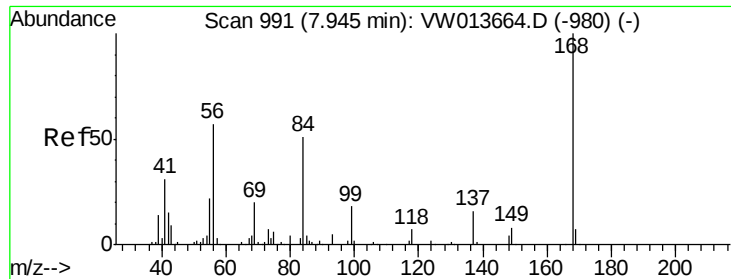
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-30-(6-8)

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QLast Update : Wed Oct 23 14:11:46 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: VW014004.D

Acq: 13 Nov 2019 14:06

Instrument :

MSVOA\_W

ClientSampled :

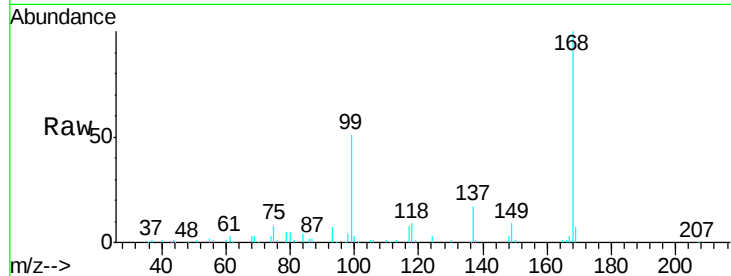
SB-30-(6-8)

Tgt Ion:168 Resp: 50234

Ion Ratio Lower Upper

168 100

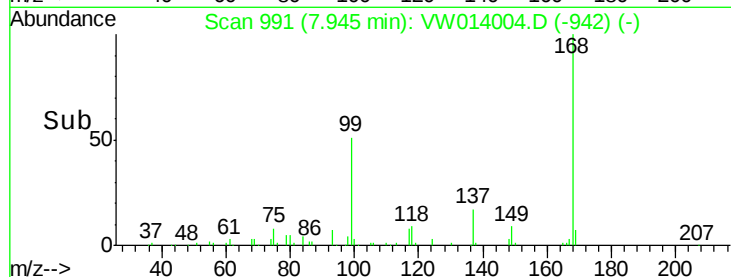
99 51.3 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95



25000

20000

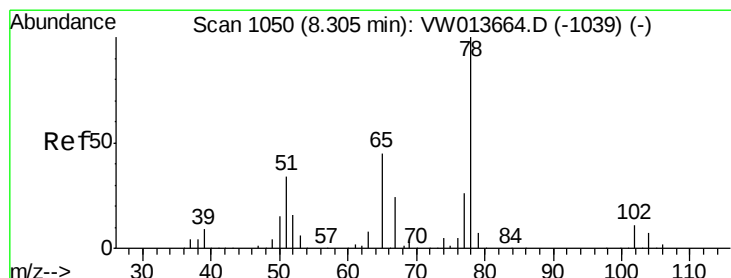
15000

10000

5000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#33

1,2-Dichloroethane-d4

Concen: 58.643 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW014004.D

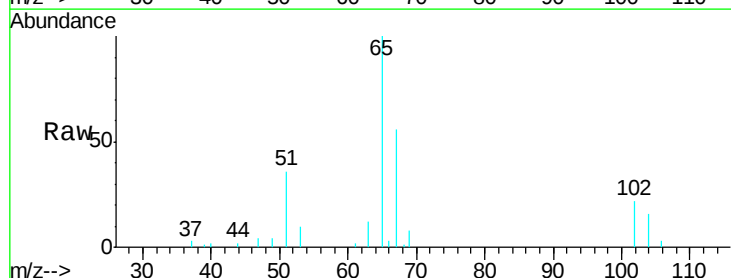
Acq: 13 Nov 2019 14:06

Tgt Ion: 65 Resp: 22099

Ion Ratio Lower Upper

65 100

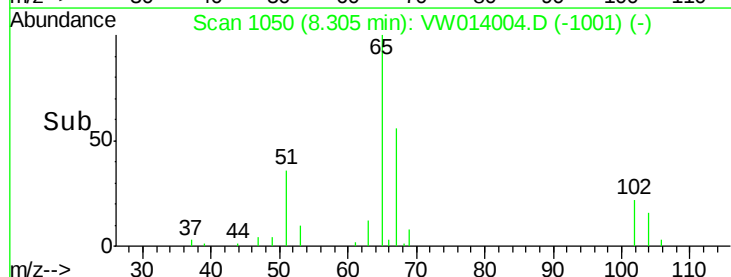
67 54.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30



12000

10000

8000

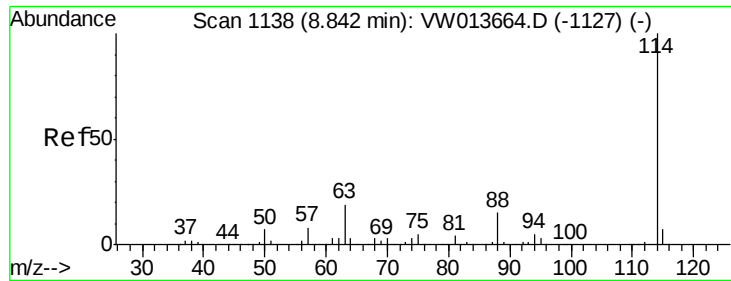
6000

4000

2000

0

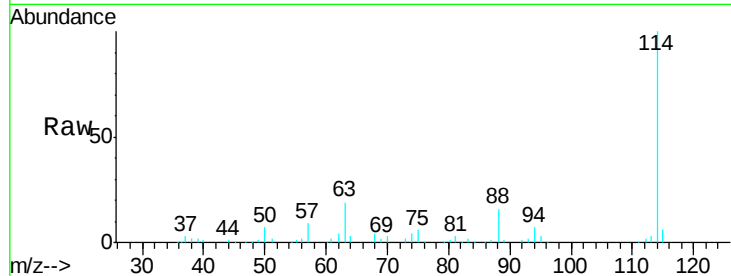
Time--> 8.20 8.25 8.30 8.35 8.40



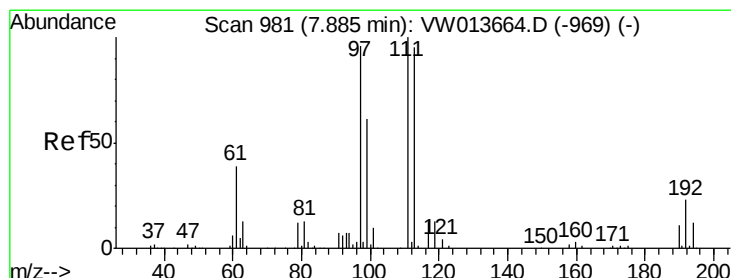
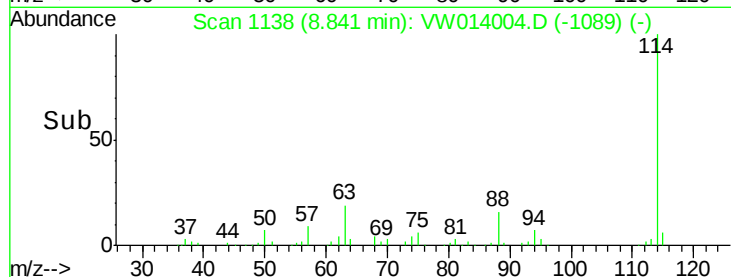
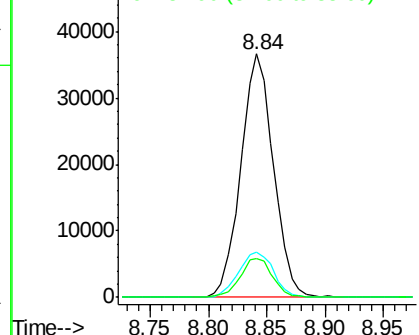
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW014004.D  
 Acq: 13 Nov 2019 14:06

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-30-(6-8)

Tgt Ion:114 Resp: 71632  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 37.6  
 88 16.0 0.0 30.2

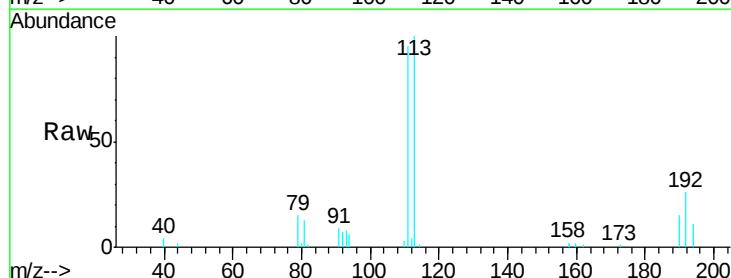


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

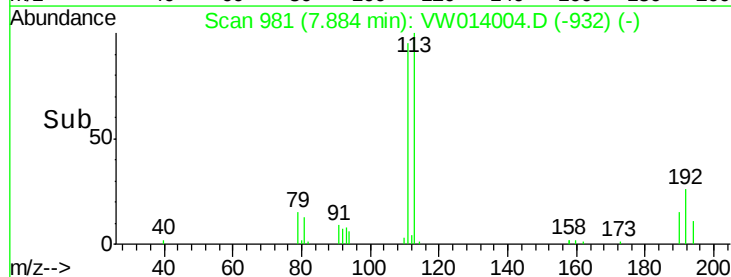
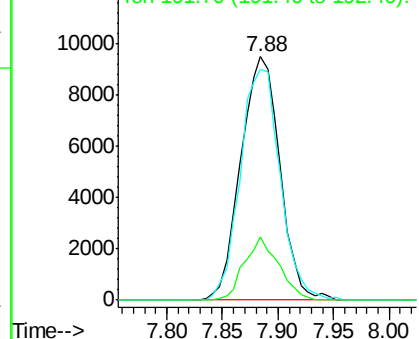


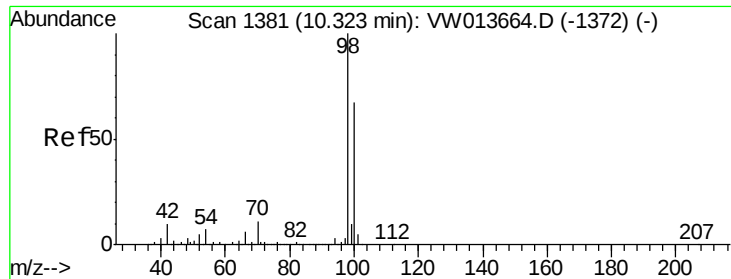
#35  
 Dibromofluoromethane  
 Concen: 58.162 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW014004.D  
 Acq: 13 Nov 2019 14:06

Tgt Ion:113 Resp: 23150  
 Ion Ratio Lower Upper  
 113 100  
 111 96.6 83.0 124.6  
 192 22.7 19.4 29.2



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: 51.418 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014004.D

Acq: 13 Nov 2019 14:06

Instrument :

MSVOA\_W

ClientSampled :

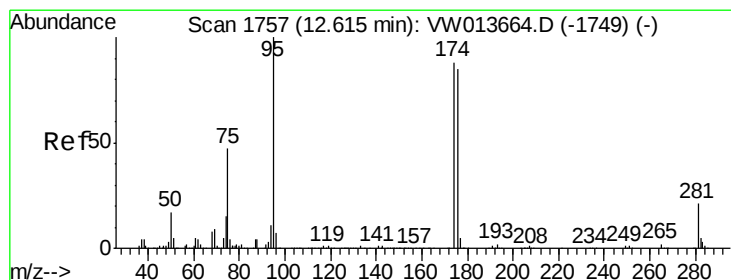
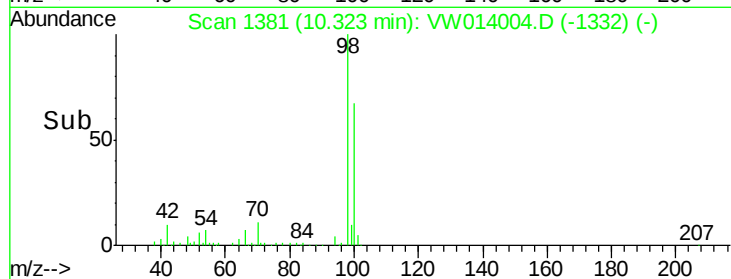
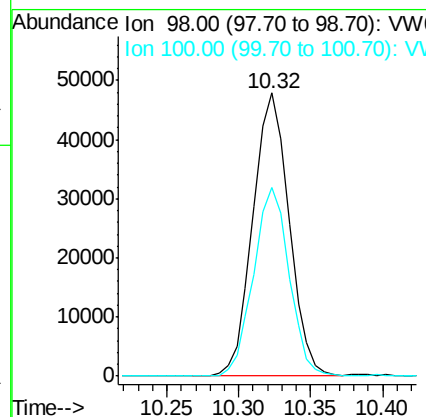
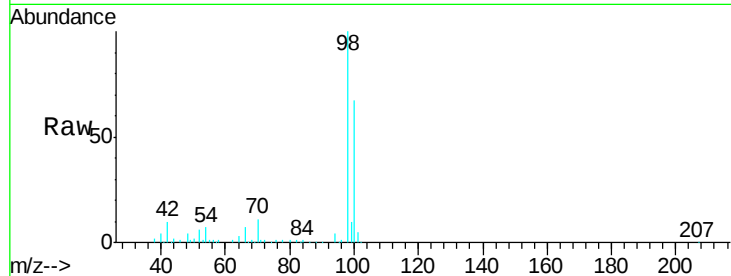
SB-30-(6-8)

Tgt Ion: 98 Resp: 83393

Ion Ratio Lower Upper

98 100

100 65.4 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 42.075 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014004.D

Acq: 13 Nov 2019 14:06

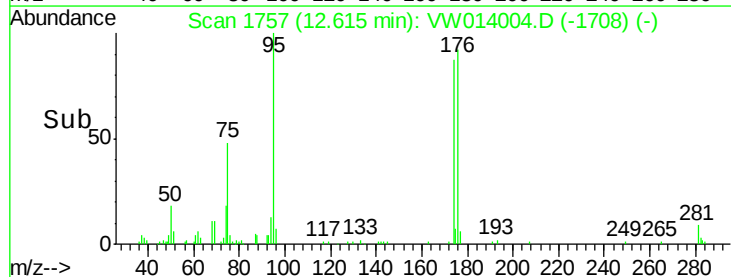
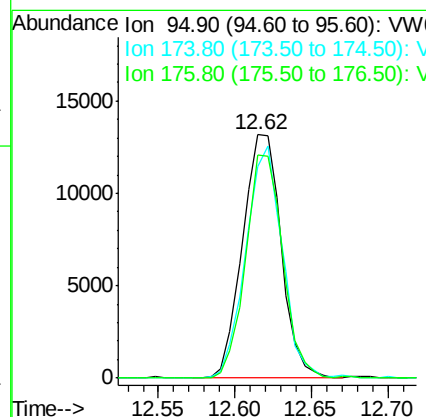
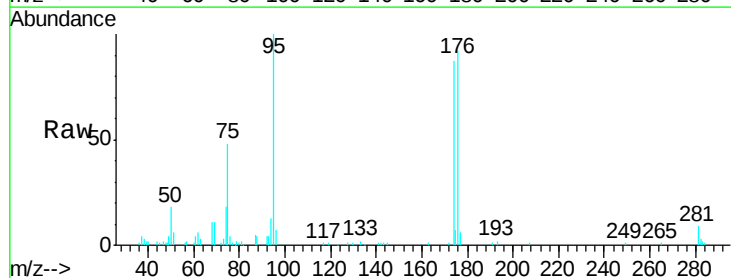
Tgt Ion: 95 Resp: 23106

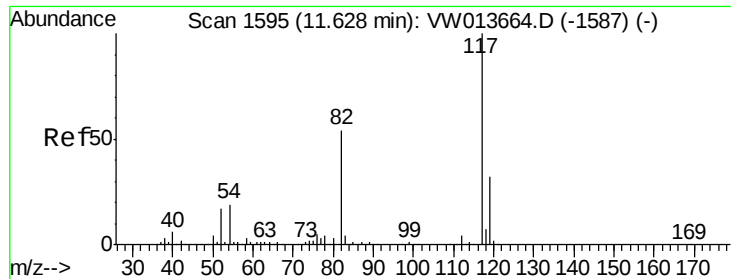
Ion Ratio Lower Upper

95 100

174 90.2 0.0 183.6

176 88.4 0.0 178.0

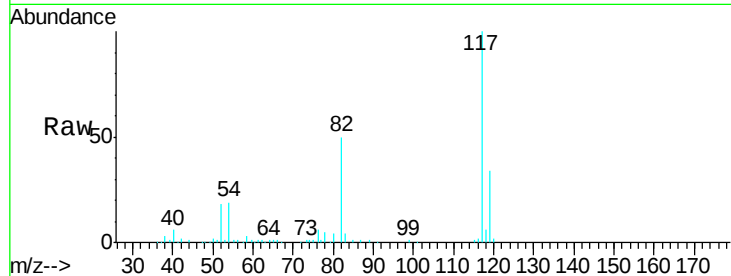




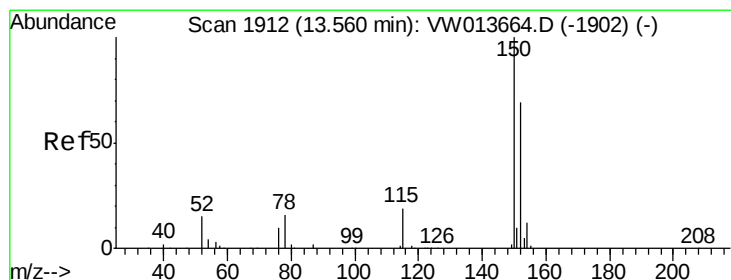
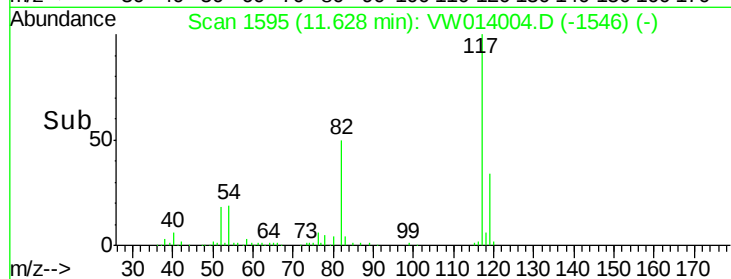
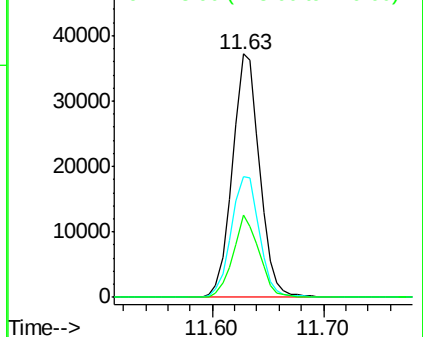
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW014004.D  
Acq: 13 Nov 2019 14:06

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-30-(6-8)

Tgt Ion:117 Resp: 62783  
Ion Ratio Lower Upper  
117 100  
82 49.6 43.6 65.4  
119 33.9 25.4 38.2

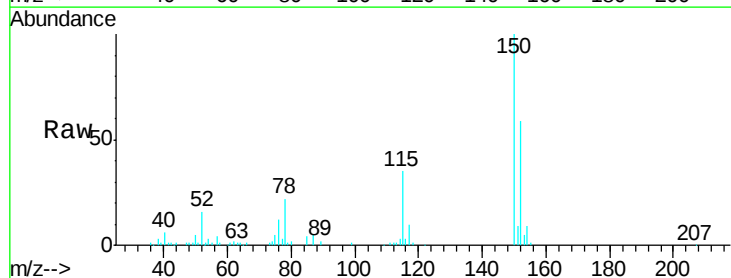


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW014004.D  
Acq: 13 Nov 2019 14:06

Tgt Ion:152 Resp: 18908  
Ion Ratio Lower Upper  
152 100  
115 55.6 27.4 82.2  
150 162.0 0.0 345.4



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

