

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121918\  
 Data File : VW007627.D  
 Acq On : 17 Dec 2018 13:23  
 Operator : SY/AP  
 Sample : J6371-04  
 Misc : 4.93G/5ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EB04-0-2

Quant Time: Dec 18 07:28:43 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

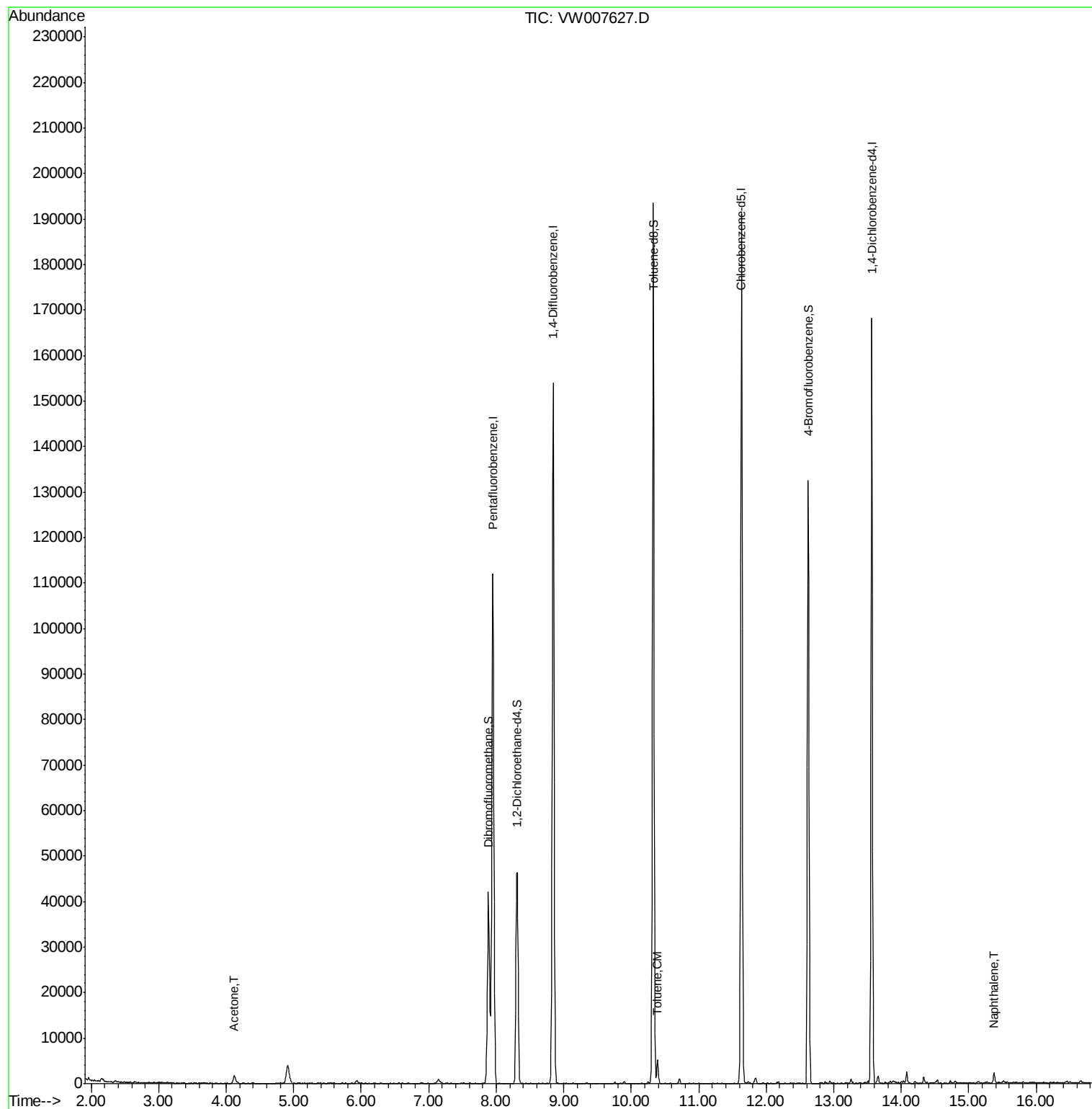
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 81112    | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 129437   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 108491   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 43978    | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 39341    | 43.72  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.44% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 30281    | 38.65  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 77.30% |          |
| 50) Toluene-d8              | 10.32 | 98   | 130218   | 44.32  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.64% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 43750    | 40.50  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 81.00% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 4.12  | 43   | 2922     | 18.590 | ug/l # | 81       |
| 52) Toluene                 | 10.39 | 92   | 2516     | 1.186  | ug/l   | 96       |
| 95) Naphthalene             | 15.37 | 128  | 2383     | 1.357  | ug/l   | 98       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121918\  
Data File : VW007627.D  
Acq On : 17 Dec 2018 13:23  
Operator : SY/AP  
Sample : J6371-04  
Misc : 4.93G/5ML/MSVOA W/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EB04-0-2

Quant Time: Dec 18 07:28:43 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 11 02:58:16 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: VW007627.D

Acq: 17 Dec 2018 13:23

Instrument :

MSVOA\_W

ClientSampleId :

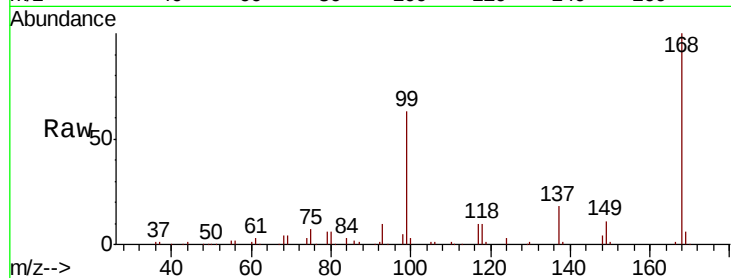
EB04-0-2

Tot Ion:168 Resp: 81112

Ion Ratio Lower Upper

168 100

99 63.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

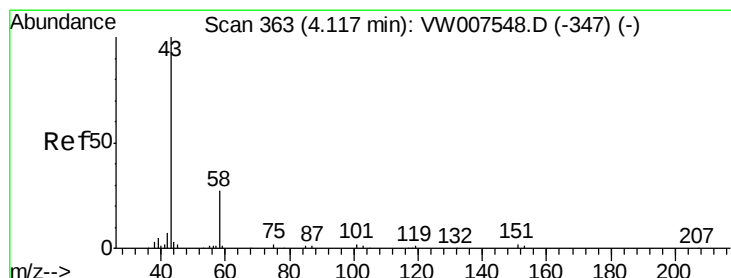
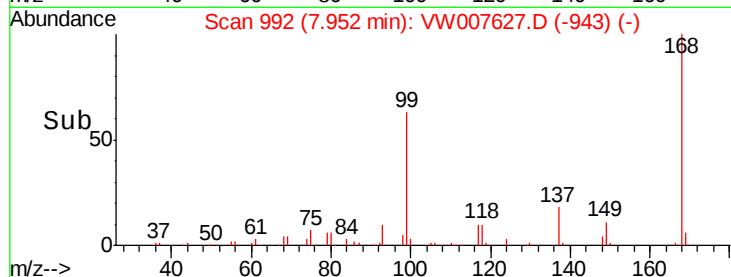
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 18.590 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007627.D

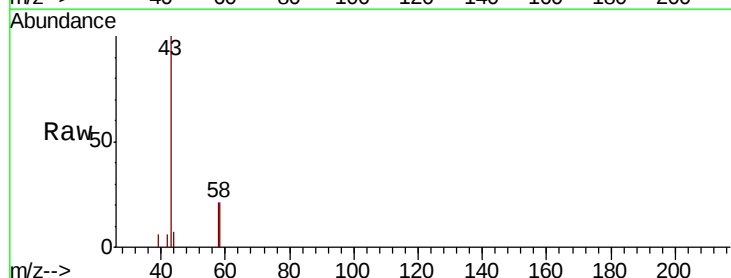
Acq: 17 Dec 2018 13:23

Tgt Ion: 43 Resp: 2922

Ion Ratio Lower Upper

43 100

58 41.4 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

1200

1000

800

600

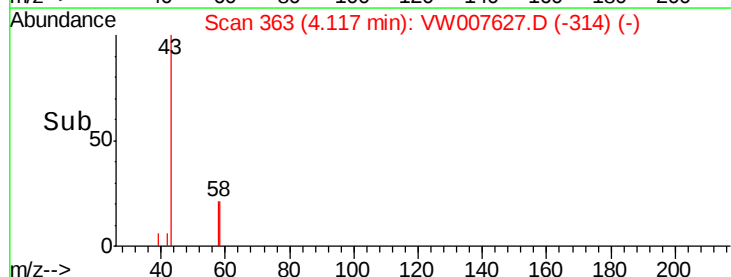
400

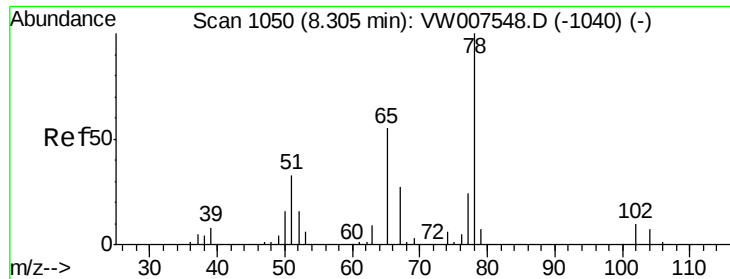
200

0

4.05 4.10 4.15 4.20

Time-->

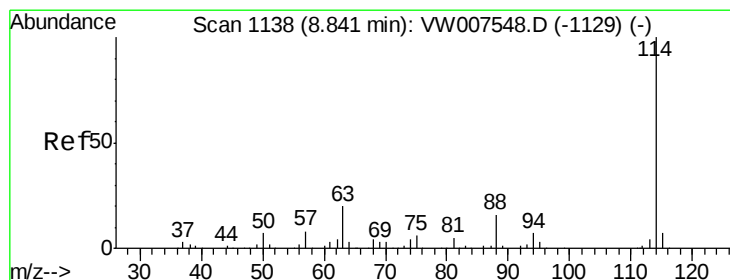
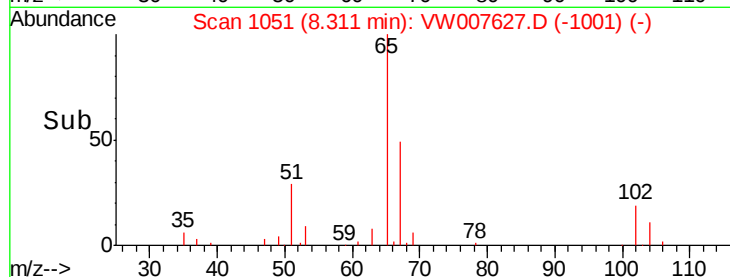
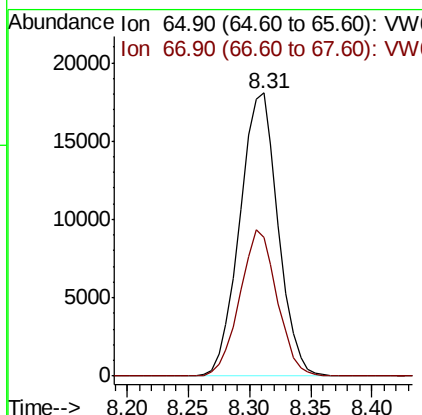
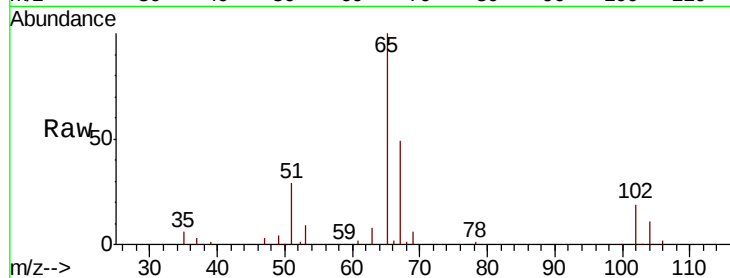




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.718 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.01 min  
 Lab File: VW007627.D  
 Acq: 17 Dec 2018 13:23

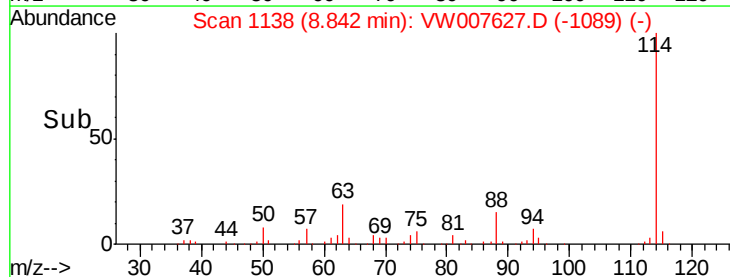
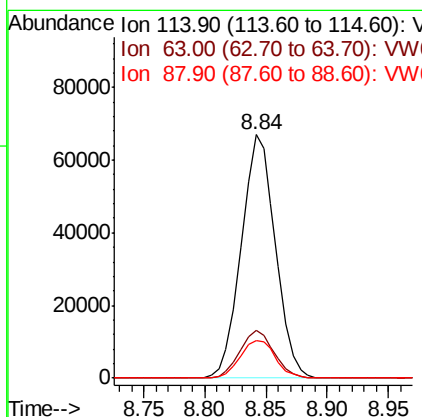
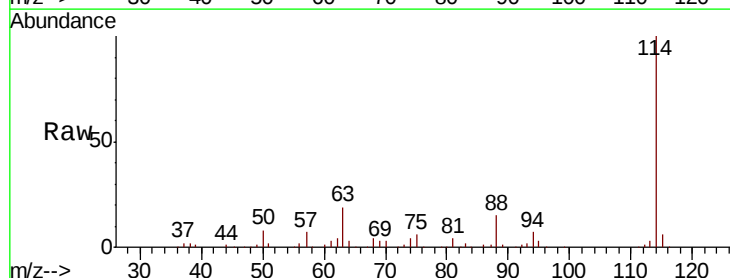
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EB04-0-2

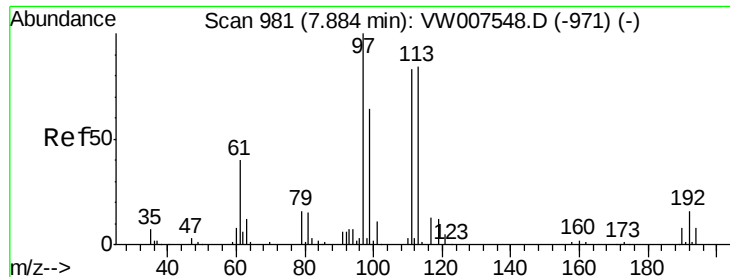
Tot Ion: 65 Resp: 39341  
 Ion Ratio Lower Upper  
 65 100  
 67 50.1 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW007627.D  
 Acq: 17 Dec 2018 13:23

Tgt Ion: 114 Resp: 129437  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 39.6  
 88 15.5 0.0 31.4

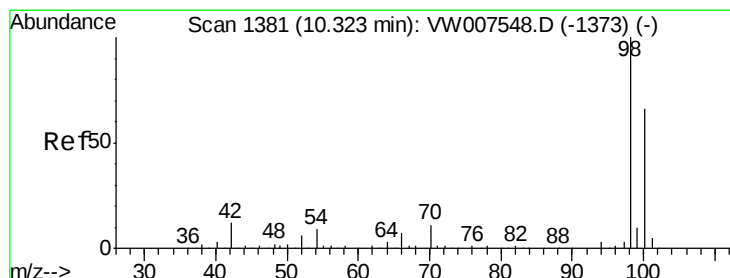
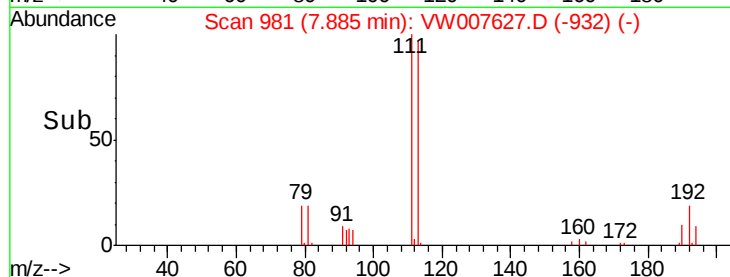
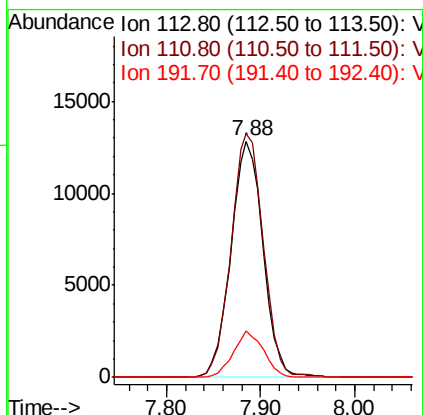
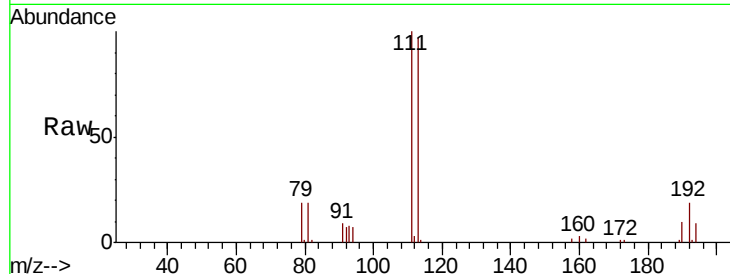




#35  
 Dibromofluoromethane  
 Concen: 38.647 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW007627.D  
 Acq: 17 Dec 2018 13:23

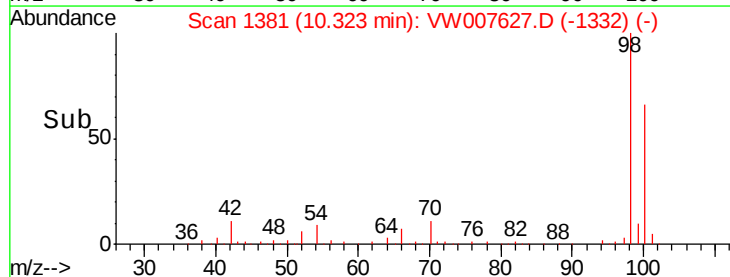
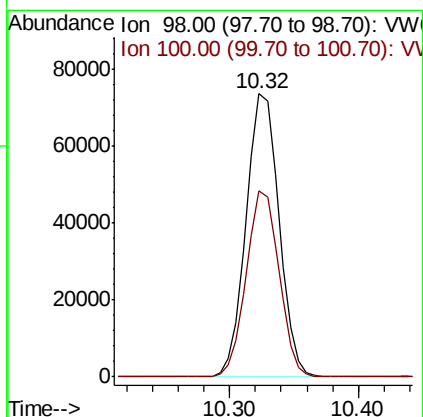
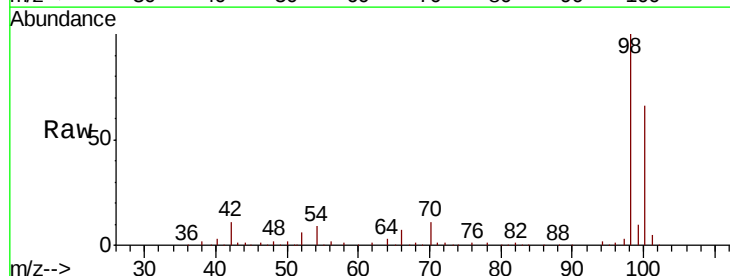
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EB04-0-2

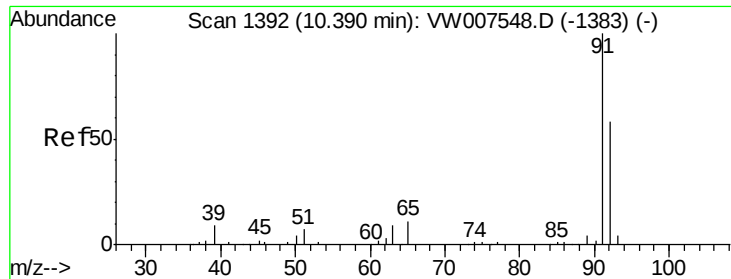
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.0 | 81.1  | 121.7 |
| 192     | 18.6  | 14.6  | 21.8  |



#50  
 Toluene-d8  
 Concen: 44.325 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW007627.D  
 Acq: 17 Dec 2018 13:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.6  | 51.8  | 77.8  |





#52

Toluene

Concen: 1.186 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007627.D

Acq: 17 Dec 2018 13:23

Instrument :

MSVOA\_W

ClientSampleId :

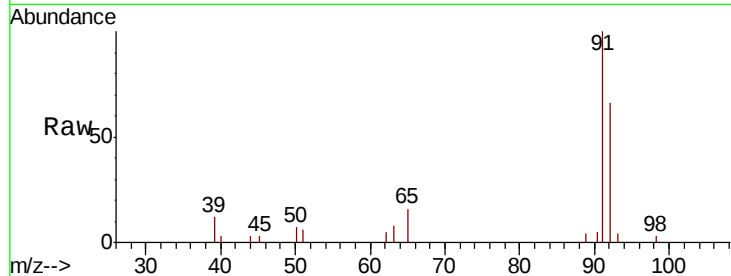
EB04-0-2

Tot Ion: 92 Resp: 2516

Ion Ratio Lower Upper

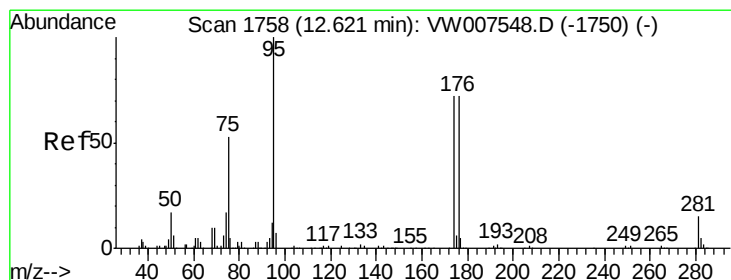
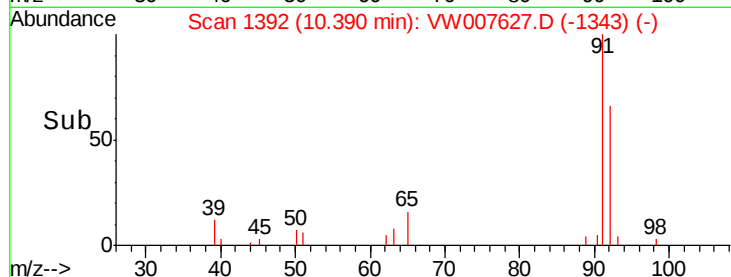
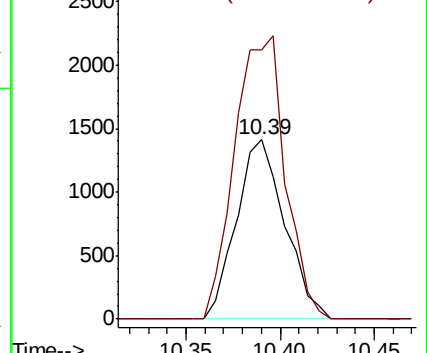
92 100

91 164.3 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 40.503 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007627.D

Acq: 17 Dec 2018 13:23

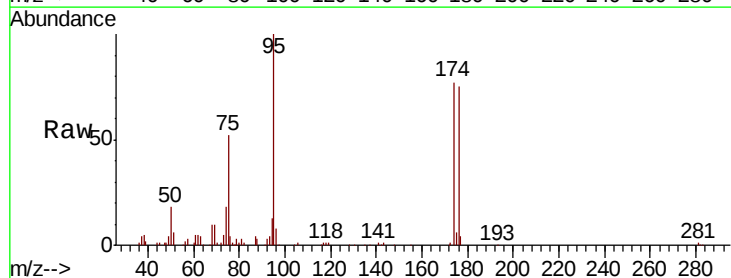
Tgt Ion: 95 Resp: 43750

Ion Ratio Lower Upper

95 100

174 77.1 0.0 147.2

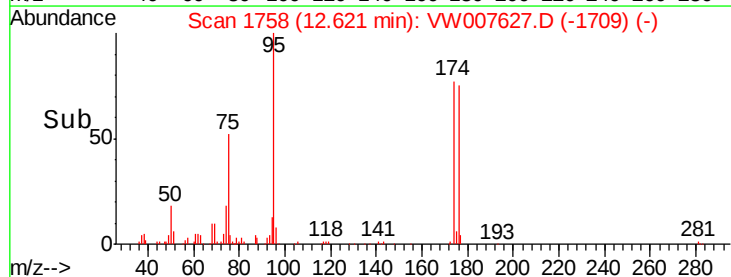
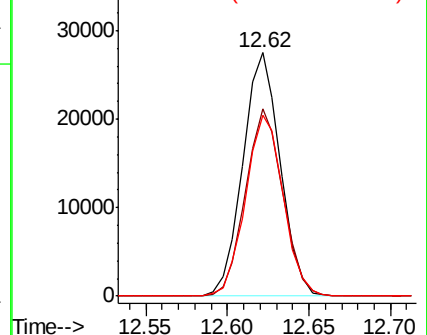
176 74.9 0.0 138.8

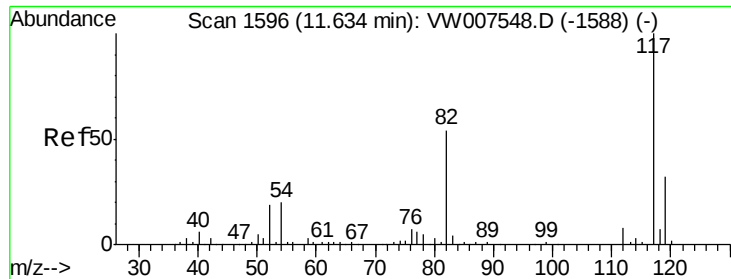


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

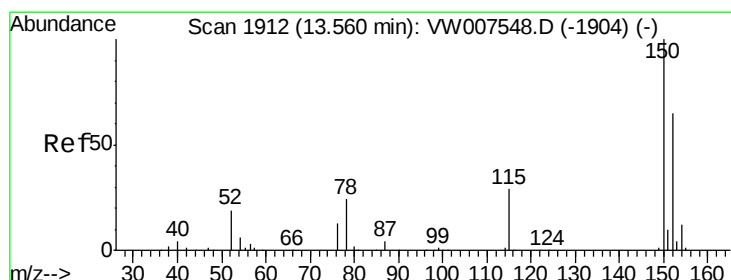
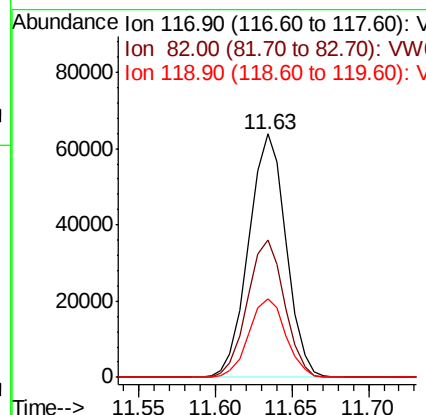
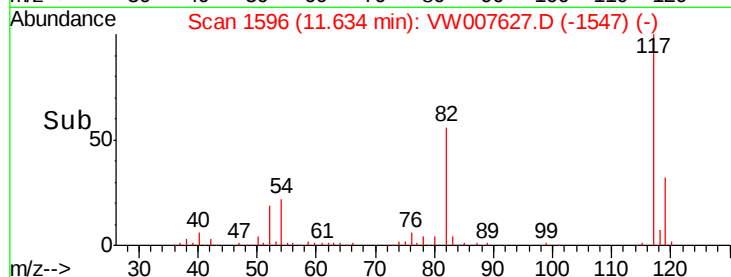
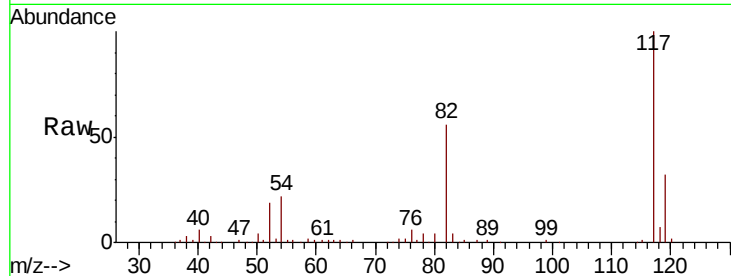




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW007627.D  
Acq: 17 Dec 2018 13:23

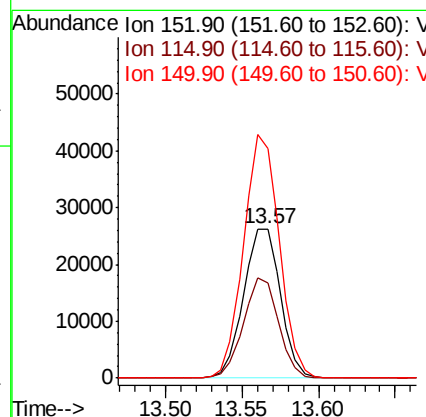
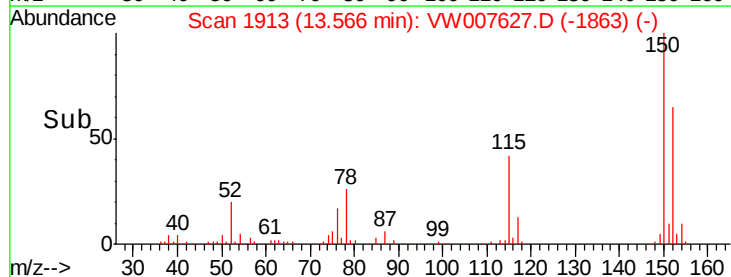
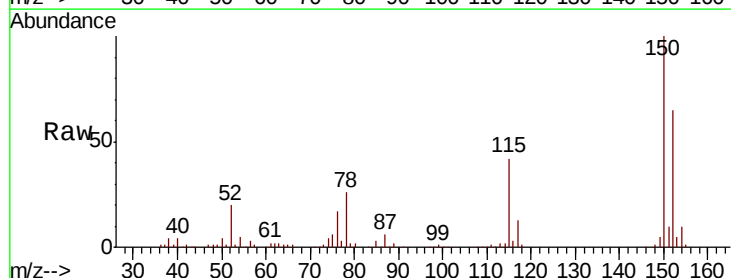
Instrument :  
MSVOA\_W  
ClientSampleId :  
EB04-0-2

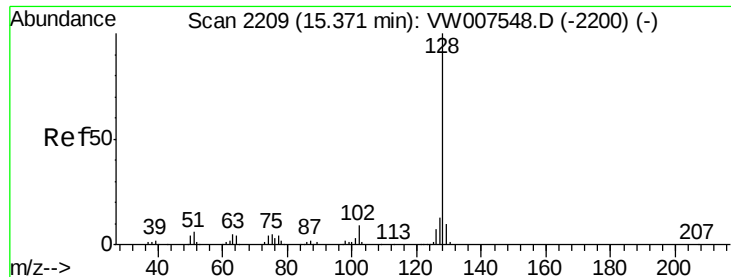
Tot Ion:117 Resp: 108491  
Ion Ratio Lower Upper  
117 100  
82 56.2 42.3 63.5  
119 32.1 23.0 34.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.01 min  
Lab File: VW007627.D  
Acq: 17 Dec 2018 13:23

Tgt Ion:152 Resp: 43978  
Ion Ratio Lower Upper  
152 100  
115 63.7 31.4 94.2  
150 157.9 0.0 358.4





#95

Naphthalene

Concen: 1.357 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW007627.D

Acq: 17 Dec 2018 13:23

Instrument :

MSVOA\_W

ClientSampleId :

EB04-0-2

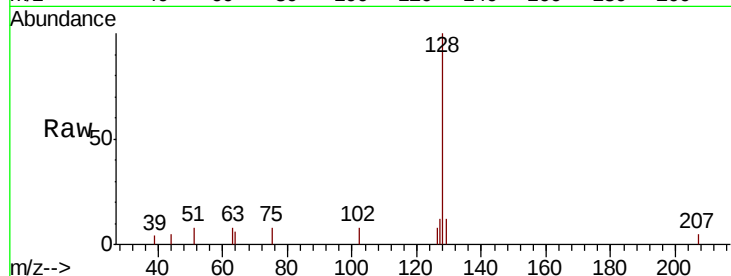
Tot Ion:128 Resp: 2383

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 9.4 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

