

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW120418\  
 Data File : VW007209.D  
 Acq On : 05 Dec 2018 02:43  
 Operator : SY/AP  
 Sample : J6198-01RE  
 Misc : 6.62G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SA-06-120318RE

Quant Time: Dec 05 07:48:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W120418S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 04 14:18:19 2018  
 Response via : Initial Calibration

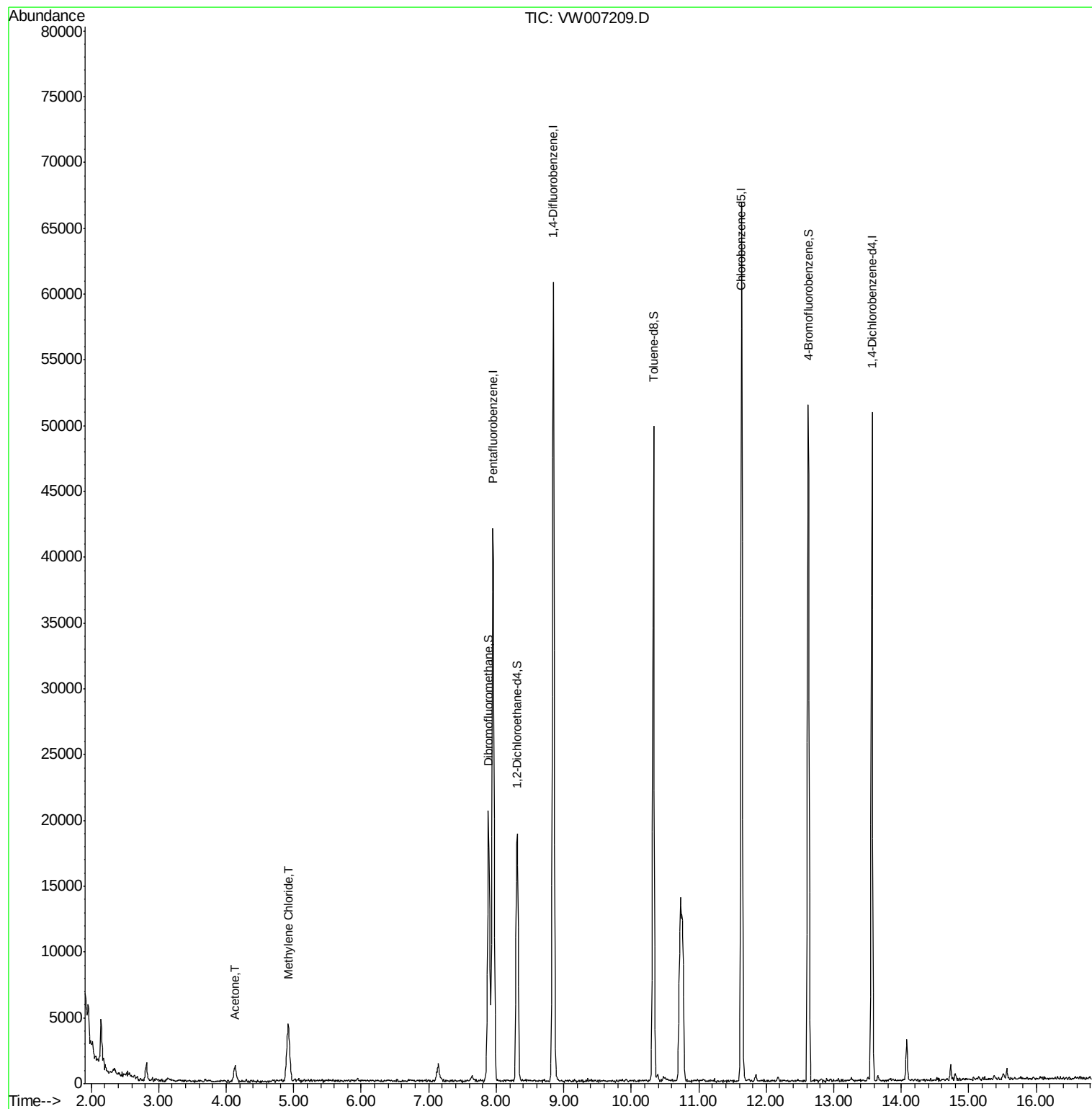
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 31166    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 54088    | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 39467    | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 13984    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 15831    | 54.56  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.12% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 15489    | 50.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.02% |          |
| 50) Toluene-d8              | 10.33 | 98   | 33437    | 24.51  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 49.02%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 16325    | 31.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 63.40%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 2271     | 33.060 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.92  | 84   | 3734     | 6.228  | ug/l    | 92       |

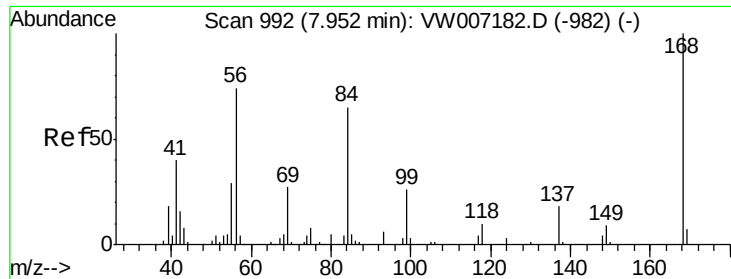
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 04 14:18:19 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: VW007209.D

Acq: 05 Dec 2018 02:43

Instrument :

MSVOA\_W

ClientSampleId :

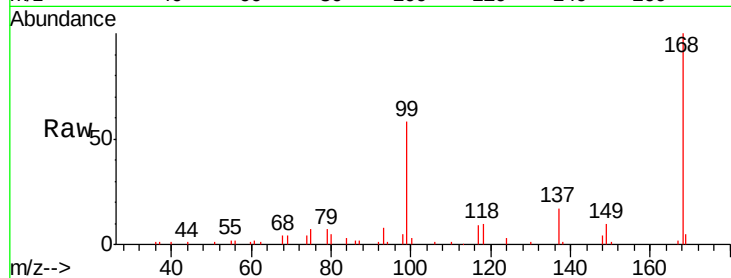
SA-06-120318RE

Tgt Ion:168 Resp: 31166

Ion Ratio Lower Upper

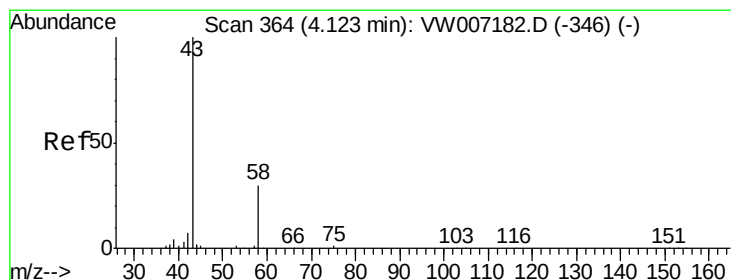
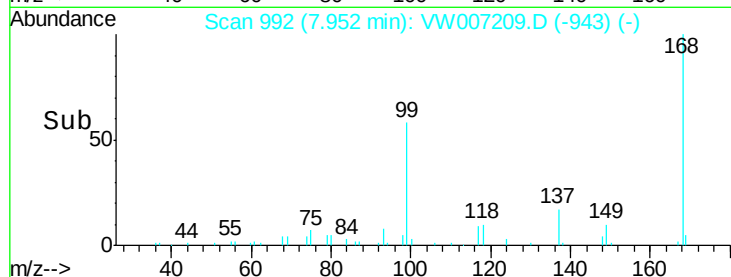
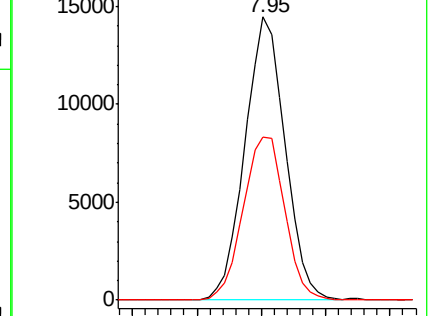
168 100

99 57.7 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 33.060 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW007209.D

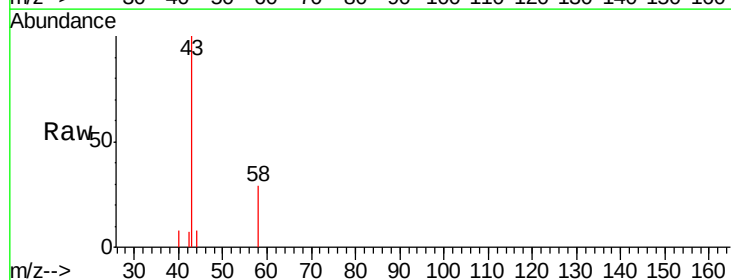
Acq: 05 Dec 2018 02:43

Tgt Ion: 43 Resp: 2271

Ion Ratio Lower Upper

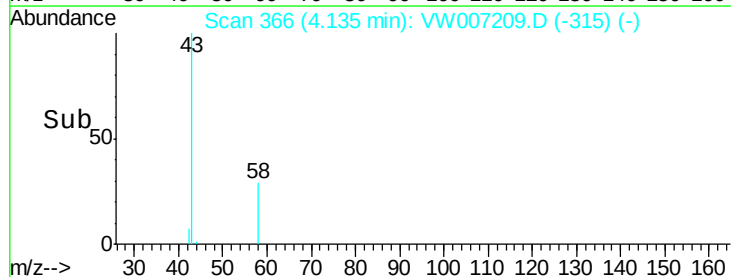
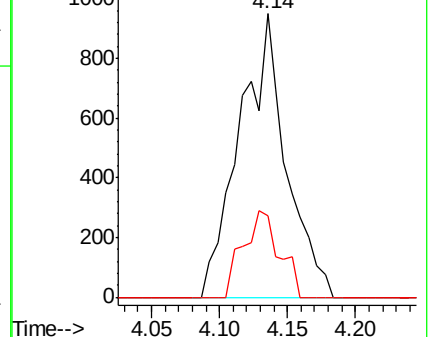
43 100

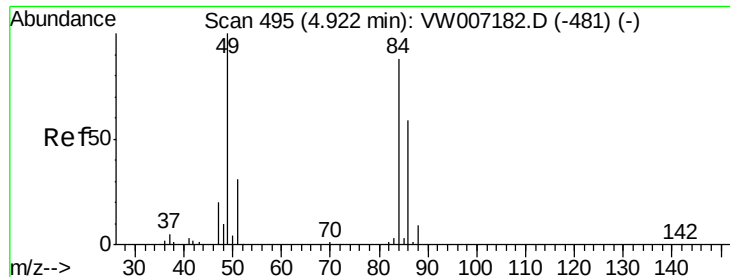
58 28.8 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

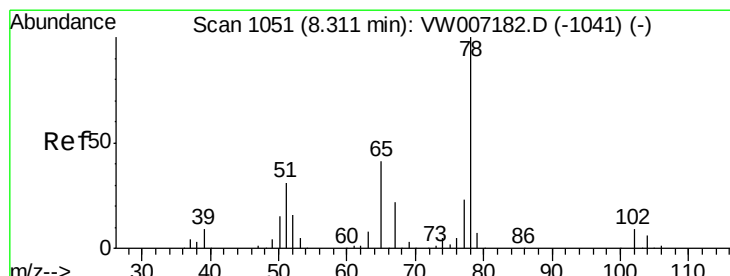
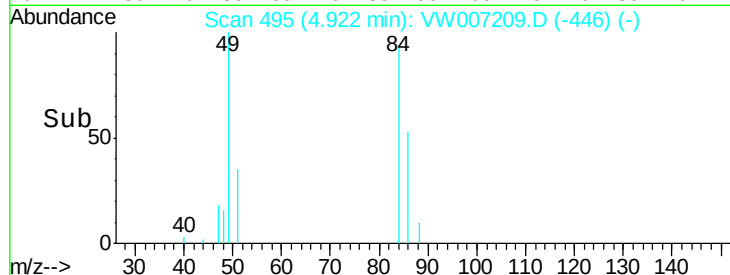
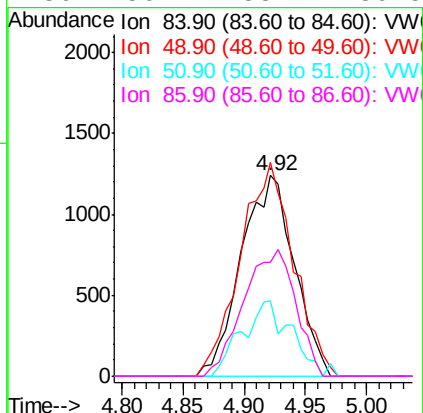
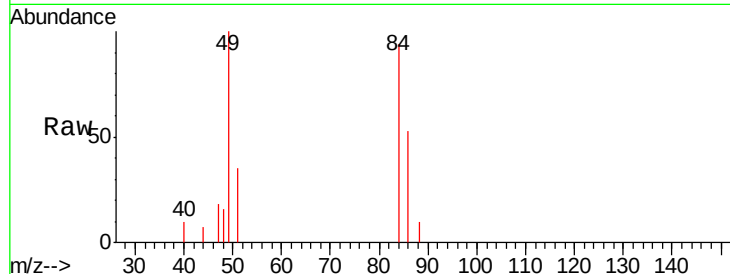




#20  
Methylene Chloride  
Concen: 6.228 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.00 min  
Lab File: VW007209.D  
Acq: 05 Dec 2018 02:43

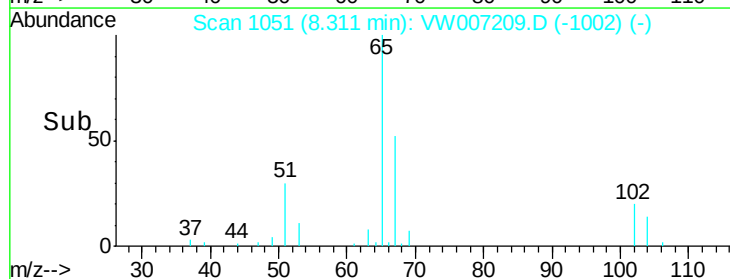
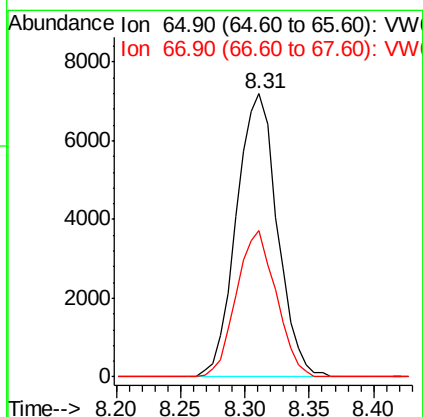
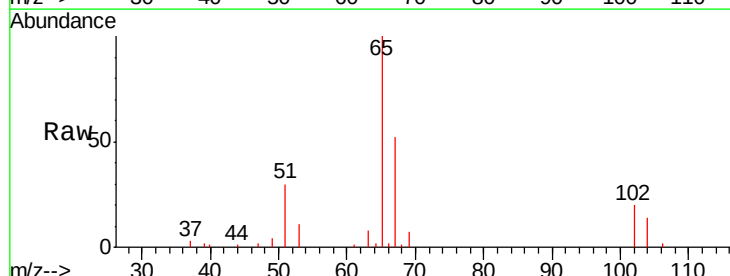
Instrument :  
MSVOA\_W  
ClientSampleId :  
SA-06-120318RE

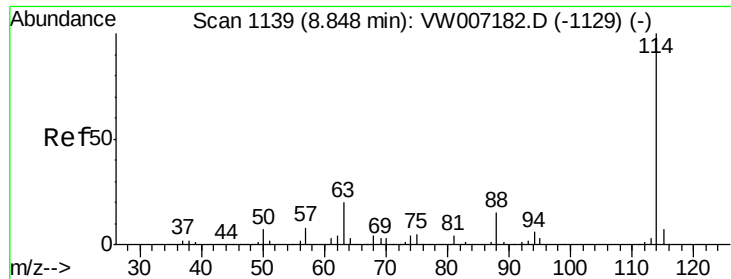
Tgt Ion: 84 Resp: 3734  
Ion Ratio Lower Upper  
84 100  
49 106.5 90.6 135.8  
51 37.6 27.6 41.4  
86 56.7 53.7 80.5



#33  
1,2-Dichloroethane-d4  
Concen: 54.558 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. 0.00 min  
Lab File: VW007209.D  
Acq: 05 Dec 2018 02:43

Tgt Ion: 65 Resp: 15831  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 106.4

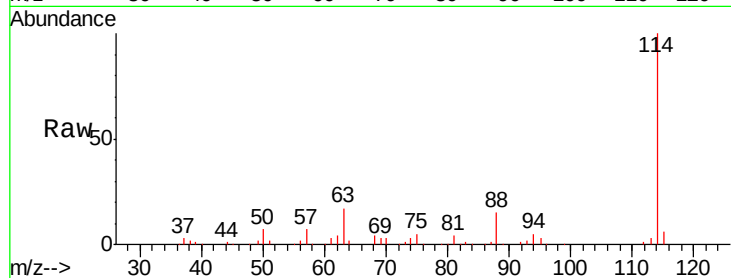




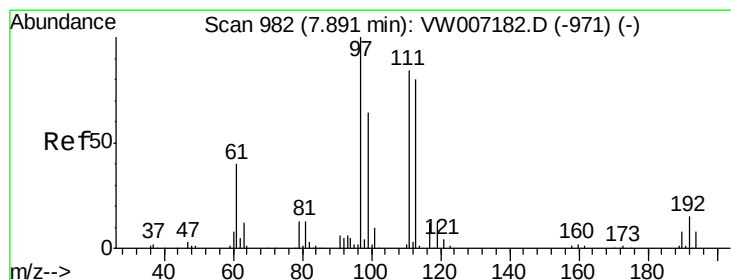
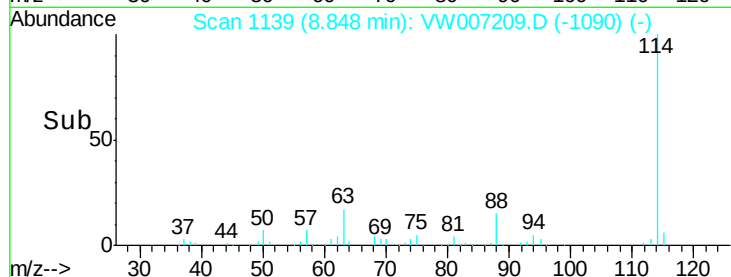
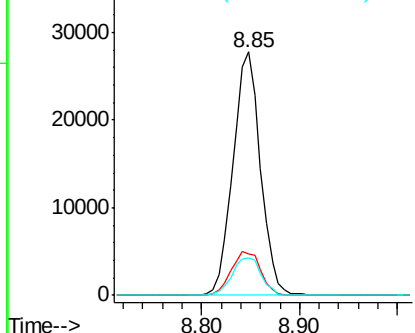
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW007209.D  
 Acq: 05 Dec 2018 02:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SA-06-120318RE

Tgt Ion:114 Resp: 54088  
 Ion Ratio Lower Upper  
 114 100  
 63 17.3 0.0 40.2  
 88 15.2 0.0 30.0

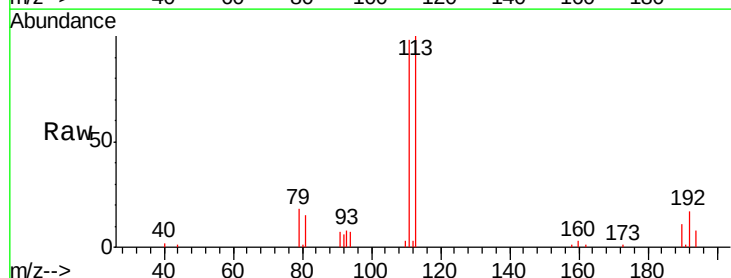


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

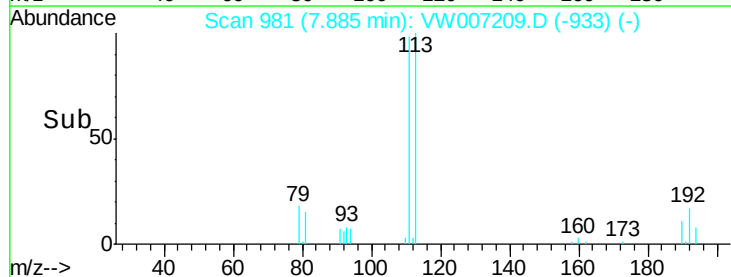
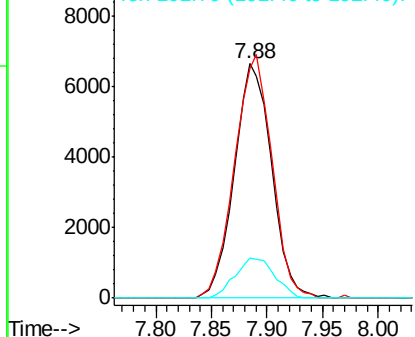


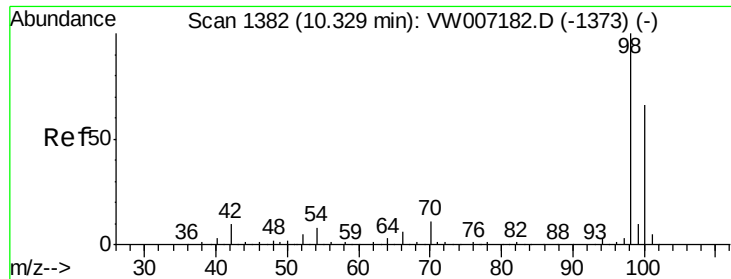
#35  
 Dibromofluoromethane  
 Concen: 50.012 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW007209.D  
 Acq: 05 Dec 2018 02:43

Tgt Ion:113 Resp: 15489  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 82.2 123.4  
 192 18.2 14.4 21.6



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: 24.509 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007209.D

Acq: 05 Dec 2018 02:43

Instrument :

MSVOA\_W

ClientSampleId :

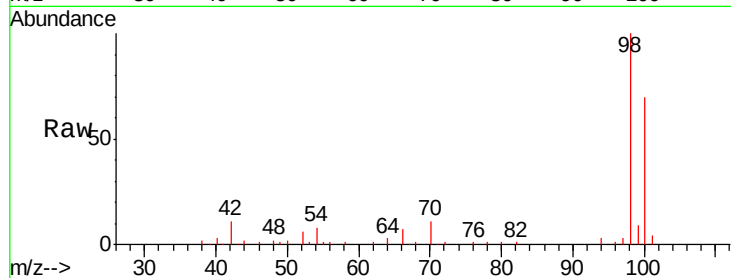
SA-06-120318RE

Tgt Ion: 98 Resp: 33437

Ion Ratio Lower Upper

98 100

100 67.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

20000

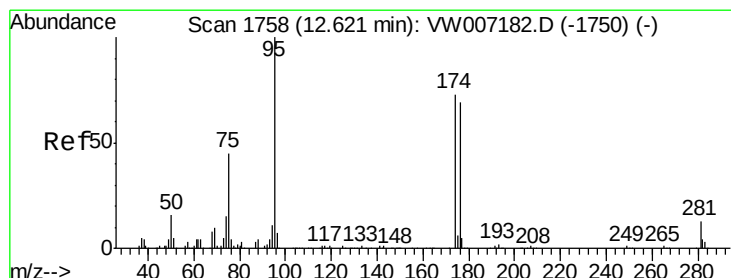
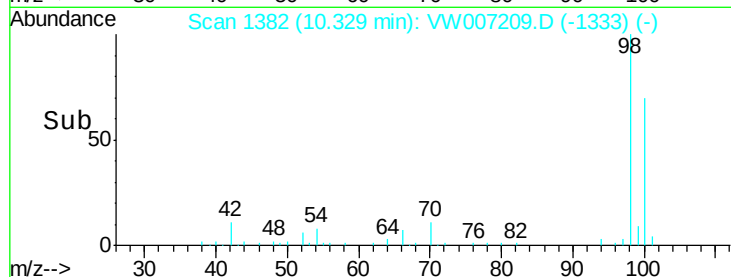
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 31.703 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007209.D

Acq: 05 Dec 2018 02:43

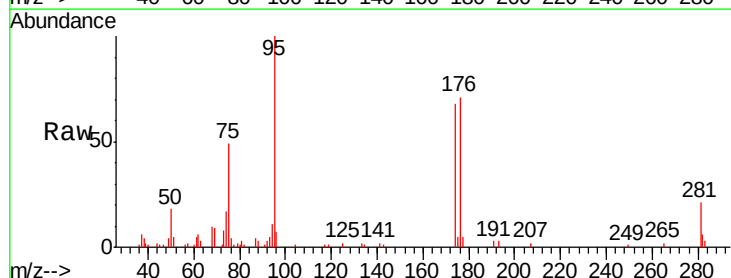
Tgt Ion: 95 Resp: 16325

Ion Ratio Lower Upper

95 100

174 76.0 0.0 148.0

176 75.6 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

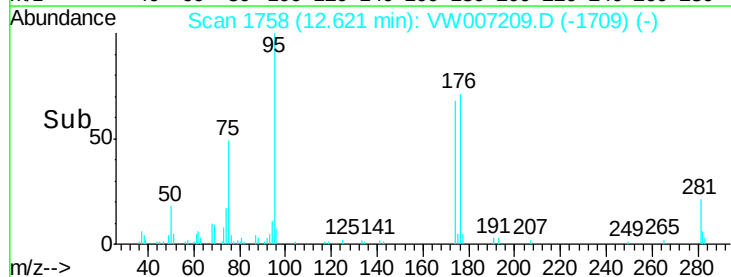
12.62

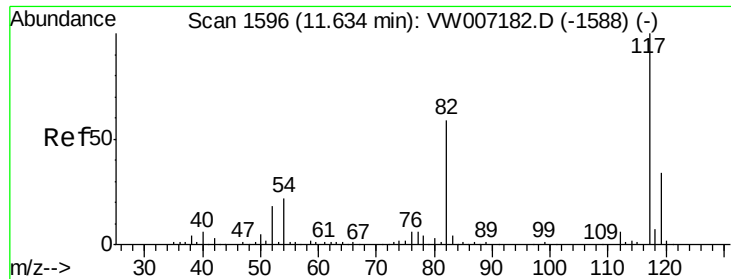
10000

5000

0

Time-->

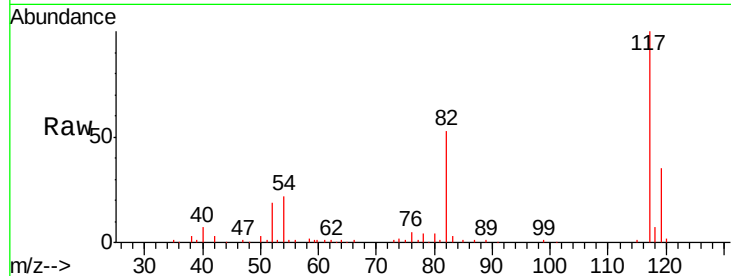




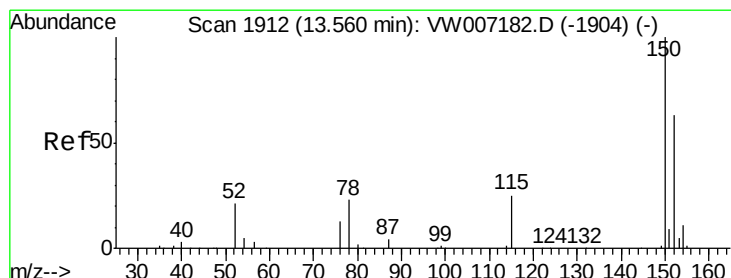
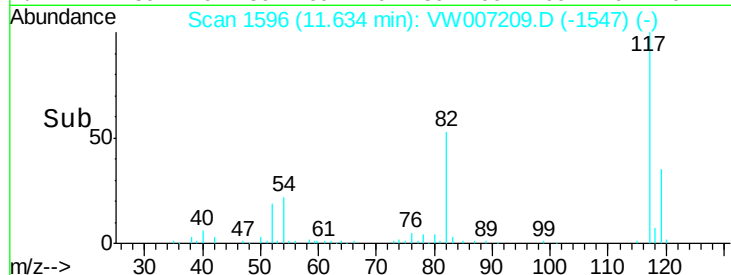
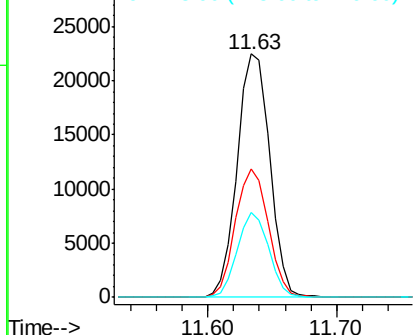
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW007209.D  
Acq: 05 Dec 2018 02:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
SA-06-120318RE

Tgt Ion:117 Resp: 39467  
Ion Ratio Lower Upper  
117 100  
82 52.7 47.4 71.2  
119 35.1 26.8 40.2

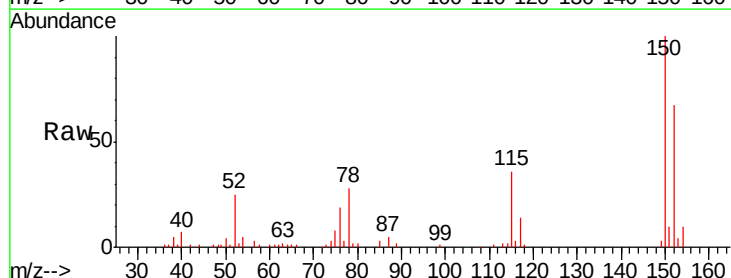


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW007209.D  
Acq: 05 Dec 2018 02:43

Tgt Ion:152 Resp: 13984  
Ion Ratio Lower Upper  
152 100  
115 58.1 31.3 93.8  
150 158.7 0.0 358.0



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

