

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072618\  
 Data File : VW004211.D  
 Acq On : 25 Jul 2018 23:47  
 Operator : SY/AP  
 Sample : J4124-07  
 Misc : 6.44G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-11-D

Quant Time: Jul 26 07:10:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W071618S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 16 15:06:12 2018  
 Response via : Initial Calibration

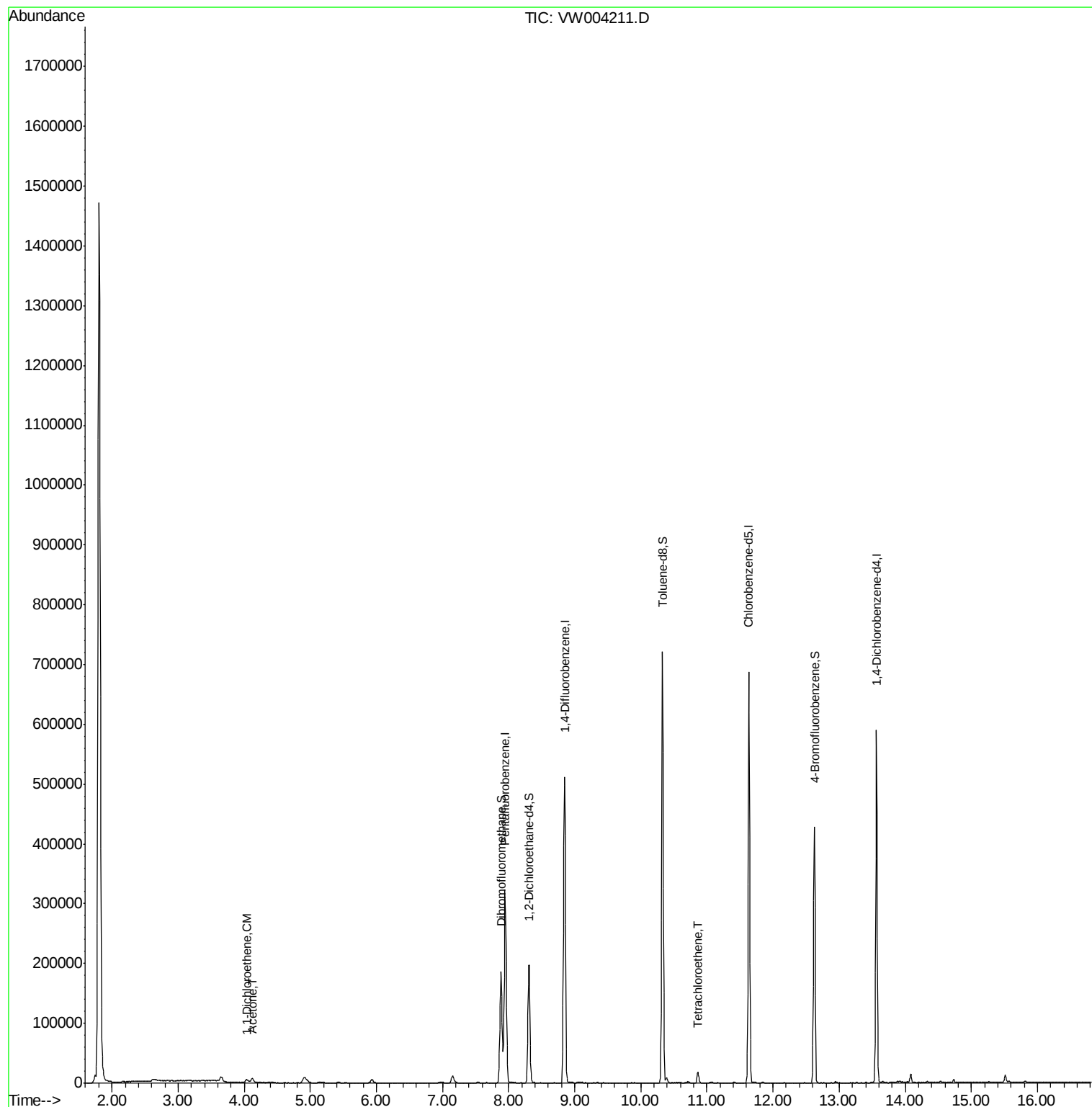
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 240260   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 419282   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 374054   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 153397   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 157347   | 58.59 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.18% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 132548   | 49.27 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.54%  |           |
| 50) Toluene-d8              | 10.33 | 98   | 481283   | 46.11 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.22%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 139442   | 37.04 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 74.08%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 12) 1,1-Dichloroethene      | 4.04  | 96   | 3626     | 1.55  | ug/l    | Qvalue 84 |
| 16) Acetone                 | 4.12  | 43   | 12838    | 19.89 | ug/l    | 90        |
| 64) Tetrachloroethene       | 10.86 | 164  | 4100     | 1.60  | ug/l    | 85        |

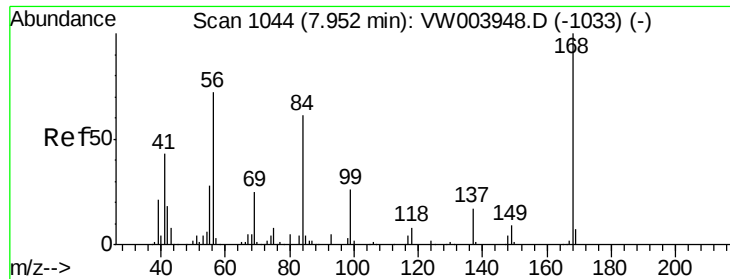
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072618\  
Data File : VW004211.D  
Acq On : 25 Jul 2018 23:47  
Operator : SY/AP  
Sample : J4124-07  
Misc : 6.44G/5ML/MSVOA W/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-11-D

Quant Time: Jul 26 07:10:20 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W071618S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 16 15:06:12 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

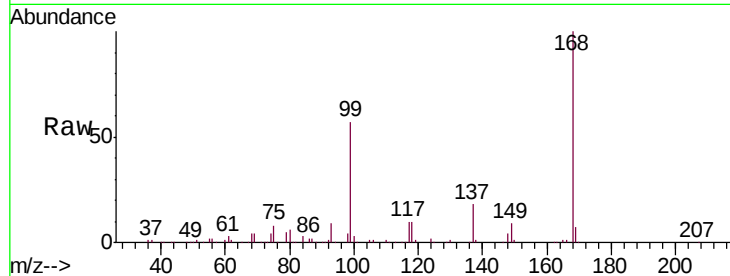
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-11-D

Tot Ion:168 Resp: 240260

Ion Ratio Lower Upper

168 100

99 56.9 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

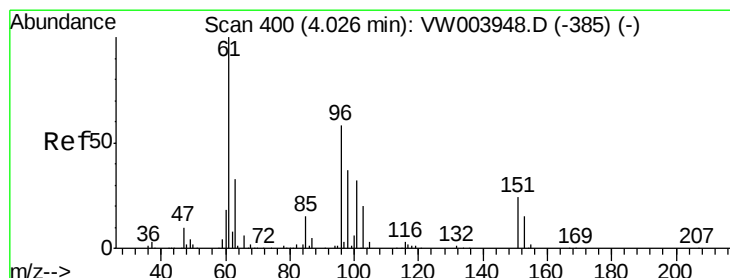
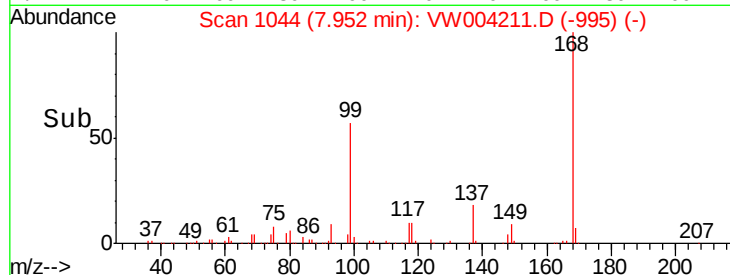
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#12

1,1-Dichloroethene

Concen: 1.55 ug/l

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

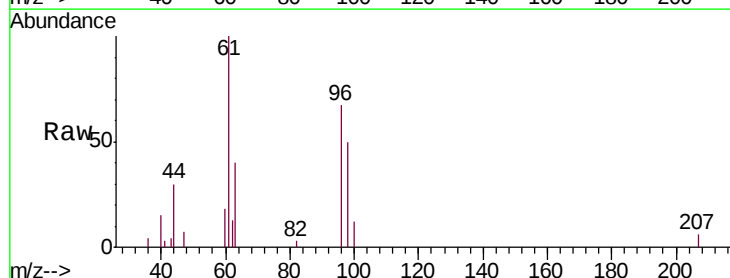
Tgt Ion: 96 Resp: 3626

Ion Ratio Lower Upper

96 100

61 148.9 137.0 205.6

98 74.5 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

2000

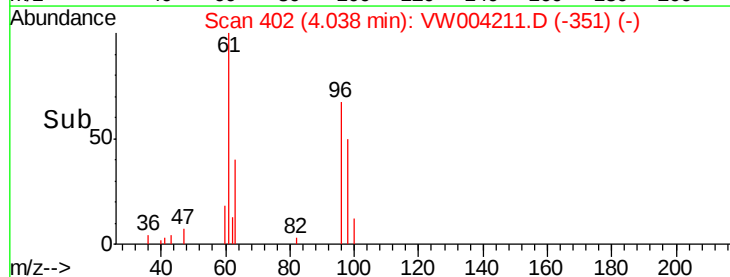
1500

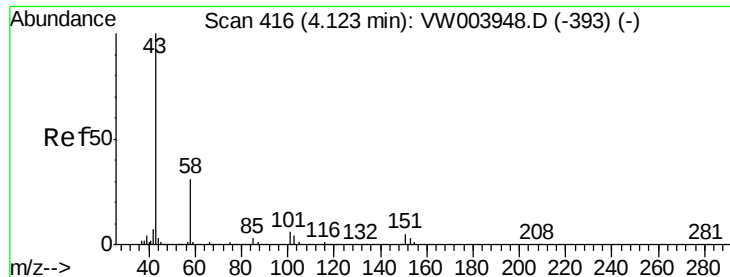
1000

500

0

Time--> 3.95 4.00 4.05 4.10 4.15





#16

Acetone

Concen: 19.89 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

Instrument :

MSVOA\_W

ClientSampleId :

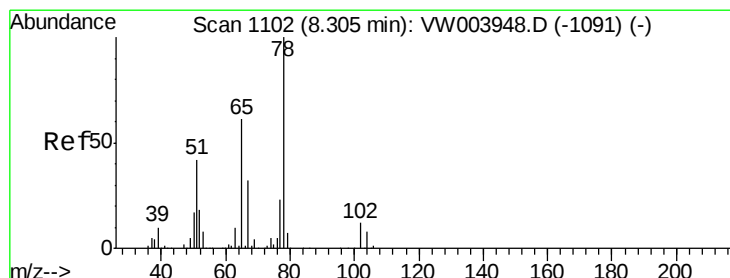
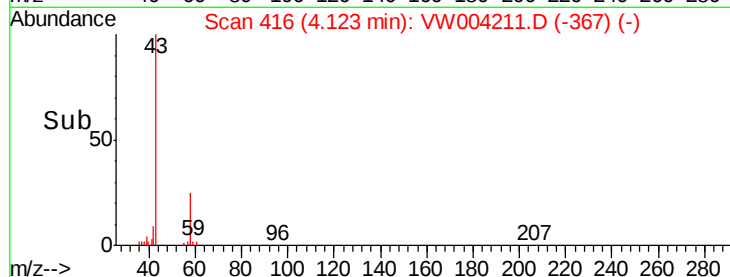
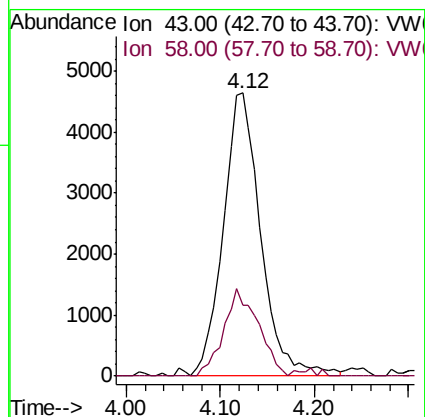
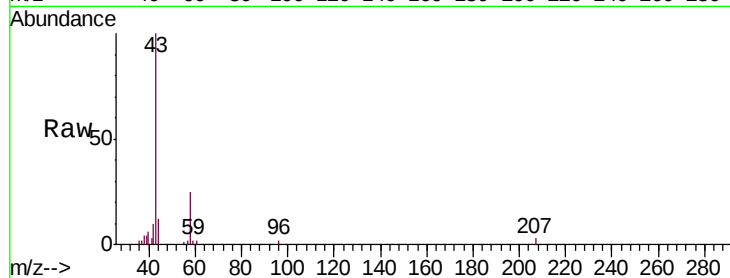
TP-11-D

Tot Ion: 43 Resp: 12838

Ion Ratio Lower Upper

43 100

58 25.0 24.5 36.7



#33

1,2-Dichloroethane-d4

Concen: 58.59 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW004211.D

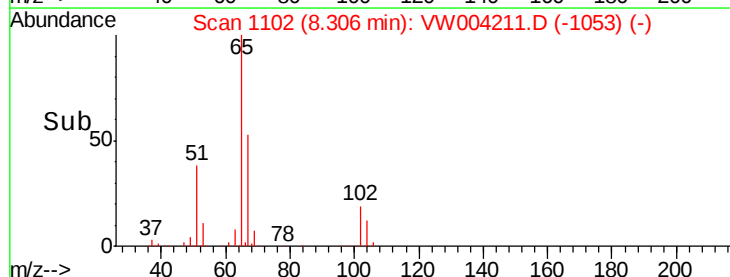
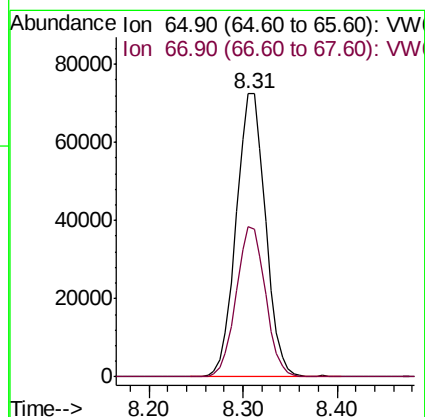
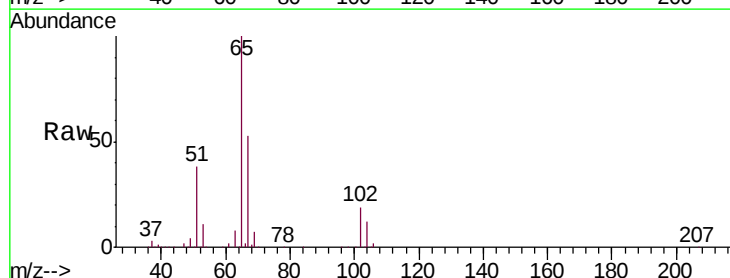
Acq: 25 Jul 2018 23:47

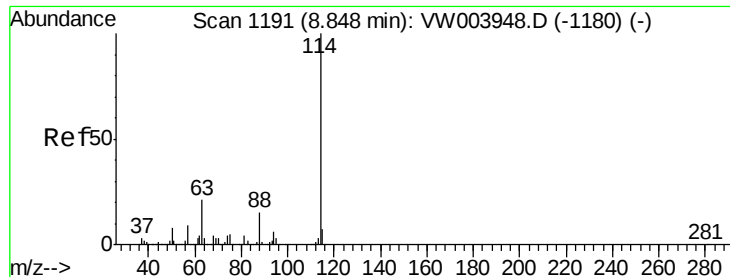
Tgt Ion: 65 Resp: 157347

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.0

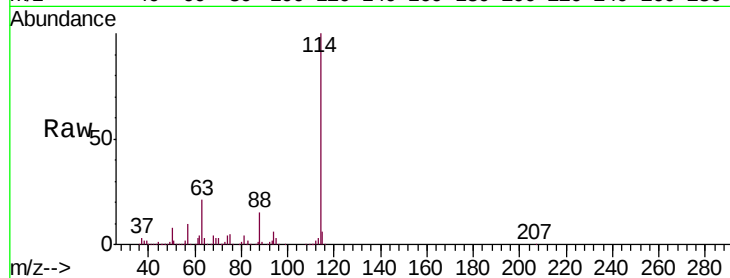




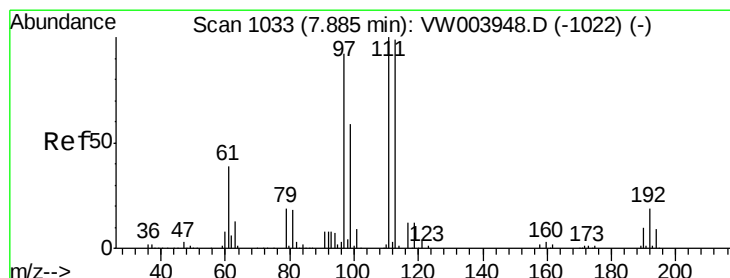
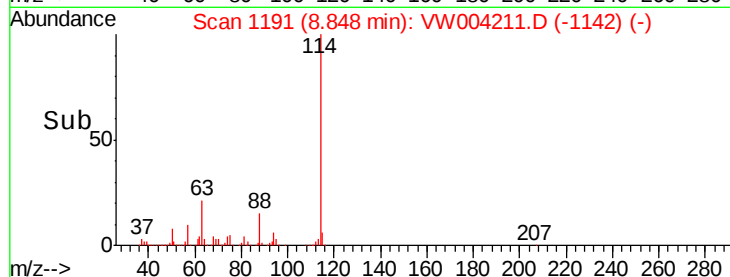
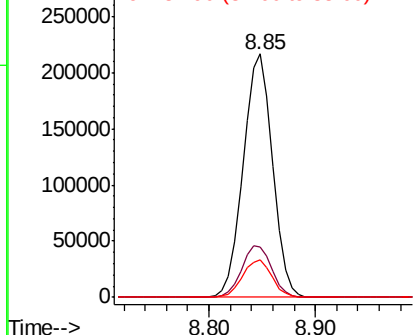
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.85 min Scan# 1191  
Delta R.T. 0.00 min  
Lab File: VW004211.D  
Acq: 25 Jul 2018 23:47

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-11-D

Tot Ion:114 Resp: 419282  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 42.8  
88 15.4 0.0 30.4

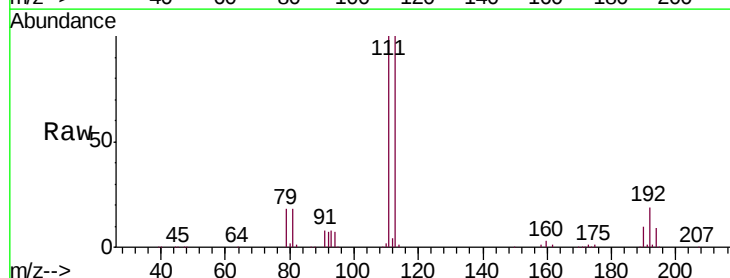


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

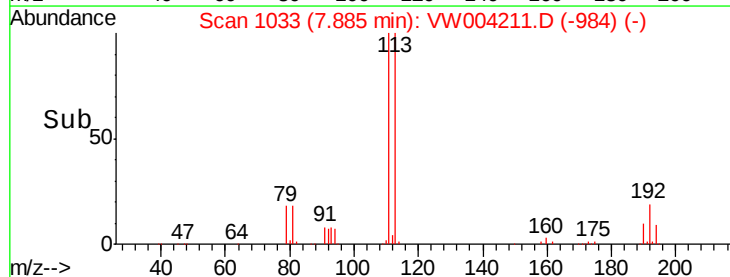
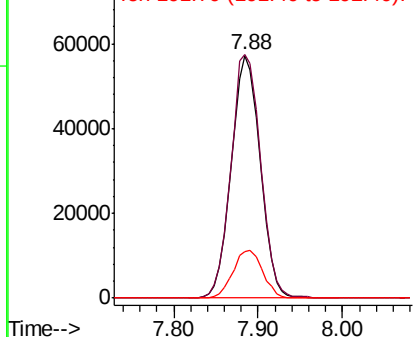


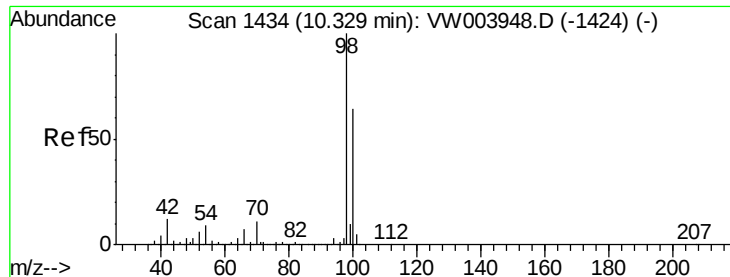
#35  
Dibromofluoromethane  
Concen: 49.27 ug/l  
RT: 7.88 min Scan# 1033  
Delta R.T. 0.00 min  
Lab File: VW004211.D  
Acq: 25 Jul 2018 23:47

Tgt Ion:113 Resp: 132548  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.3 121.9  
192 20.1 15.8 23.6



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: 46.11 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

Instrument :

MSVOA\_W

ClientSampleId :

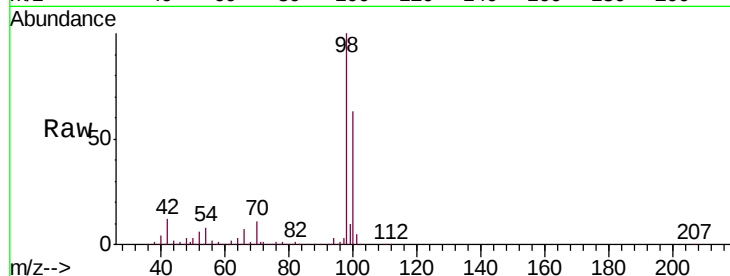
TP-11-D

Tot Ion: 98 Resp: 481283

Ion Ratio Lower Upper

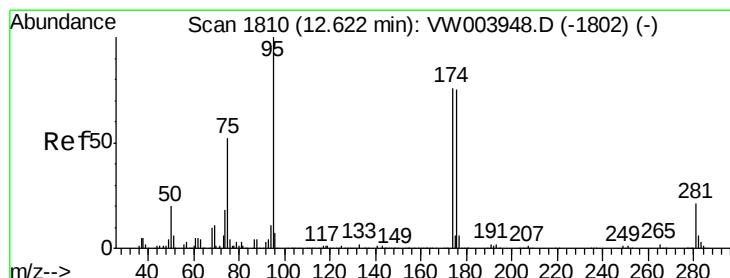
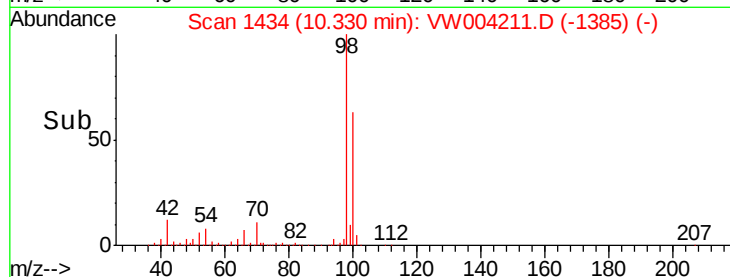
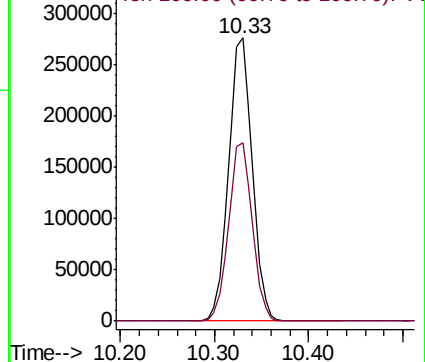
98 100

100 62.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 37.04 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

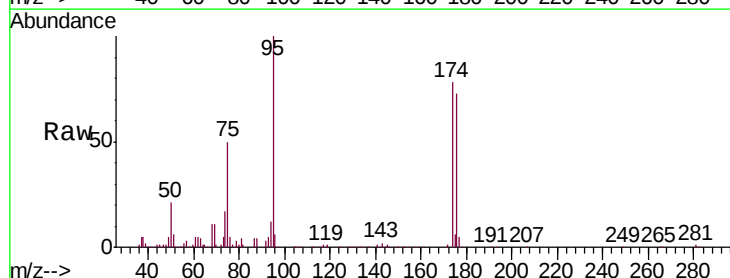
Tgt Ion: 95 Resp: 139442

Ion Ratio Lower Upper

95 100

174 81.9 0.0 160.2

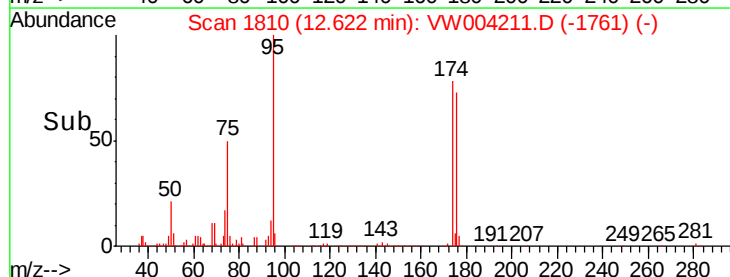
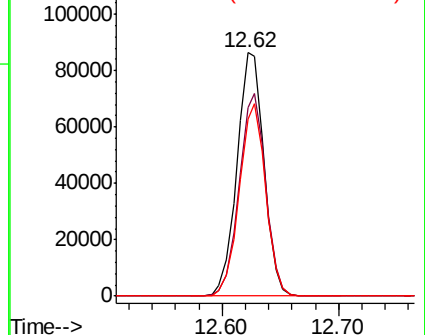
176 77.3 0.0 155.8

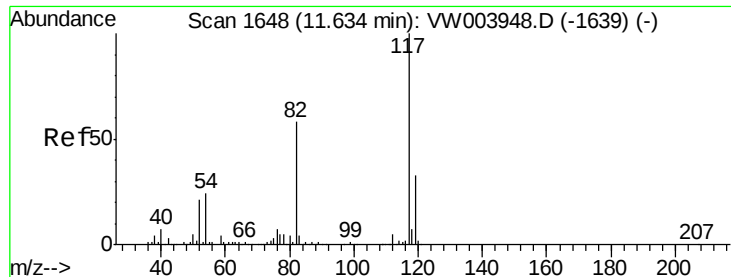


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

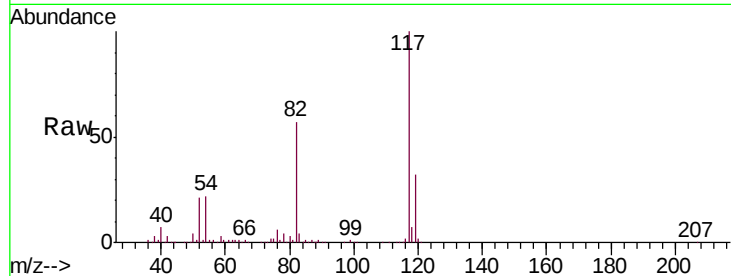




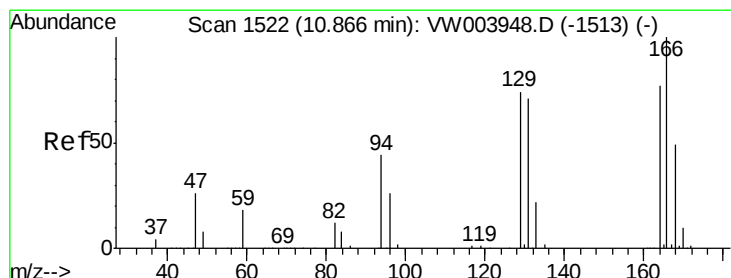
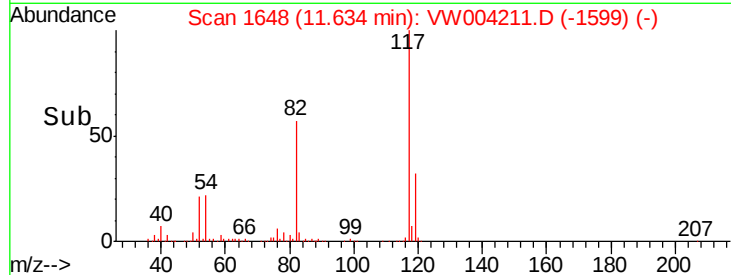
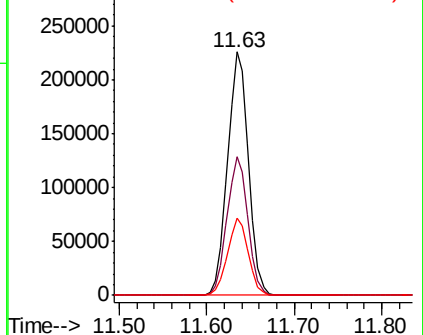
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. 0.00 min  
Lab File: VW004211.D  
Acq: 25 Jul 2018 23:47

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-11-D

Tot Ion:117 Resp: 374054  
Ion Ratio Lower Upper  
117 100  
82 56.7 46.5 69.7  
119 31.7 26.2 39.2

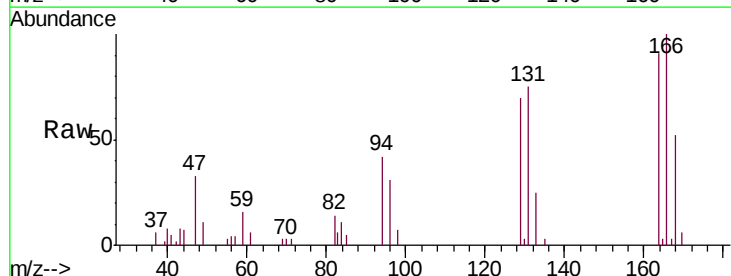


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

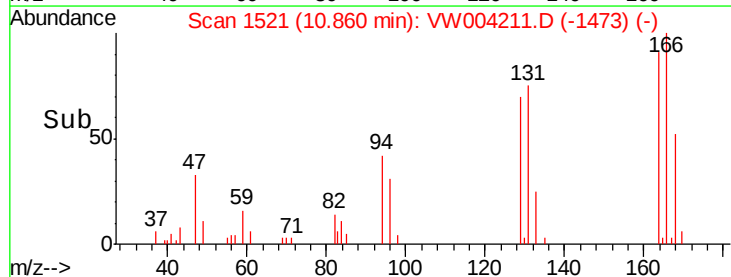
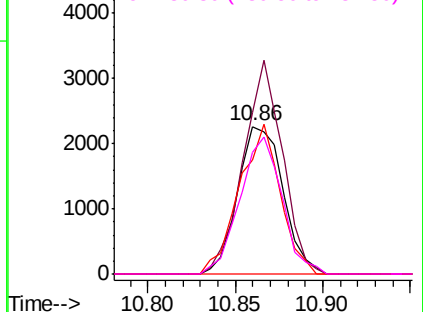


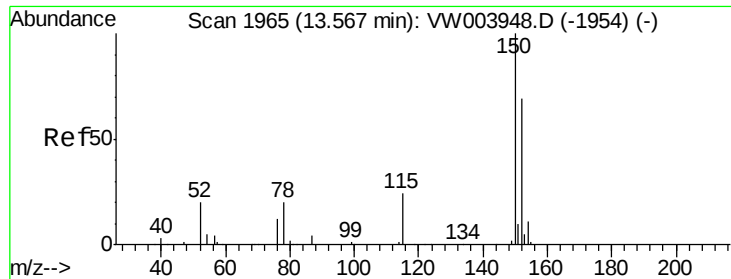
#64  
Tetrachloroethene  
Concen: 1.60 ug/l  
RT: 10.86 min Scan# 1521  
Delta R.T. -0.01 min  
Lab File: VW004211.D  
Acq: 25 Jul 2018 23:47

Tgt Ion:164 Resp: 4100  
Ion Ratio Lower Upper  
164 100  
166 109.6 103.5 155.3  
129 77.3 76.8 115.2  
131 82.7 73.2 109.8



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004211.D

Acq: 25 Jul 2018 23:47

Instrument :

MSVOA\_W

ClientSampleId :

TP-11-D

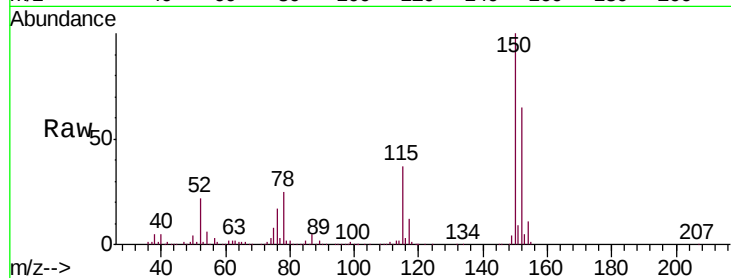
Tot Ion:152 Resp: 153397

Ion Ratio Lower Upper

152 100

115 58.6 29.2 87.6

150 155.5 0.0 345.2



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

