

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110618\  
 Data File : VW006724.D  
 Acq On : 07 Nov 2018 09:22  
 Operator : SY/AP  
 Sample : J5827-11  
 Misc : 5.27G/5ML/MSVOA W/SOIL  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SP-B

Quant Time: Nov 07 11:38:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 01 03:48:08 2018  
 Response via : Initial Calibration

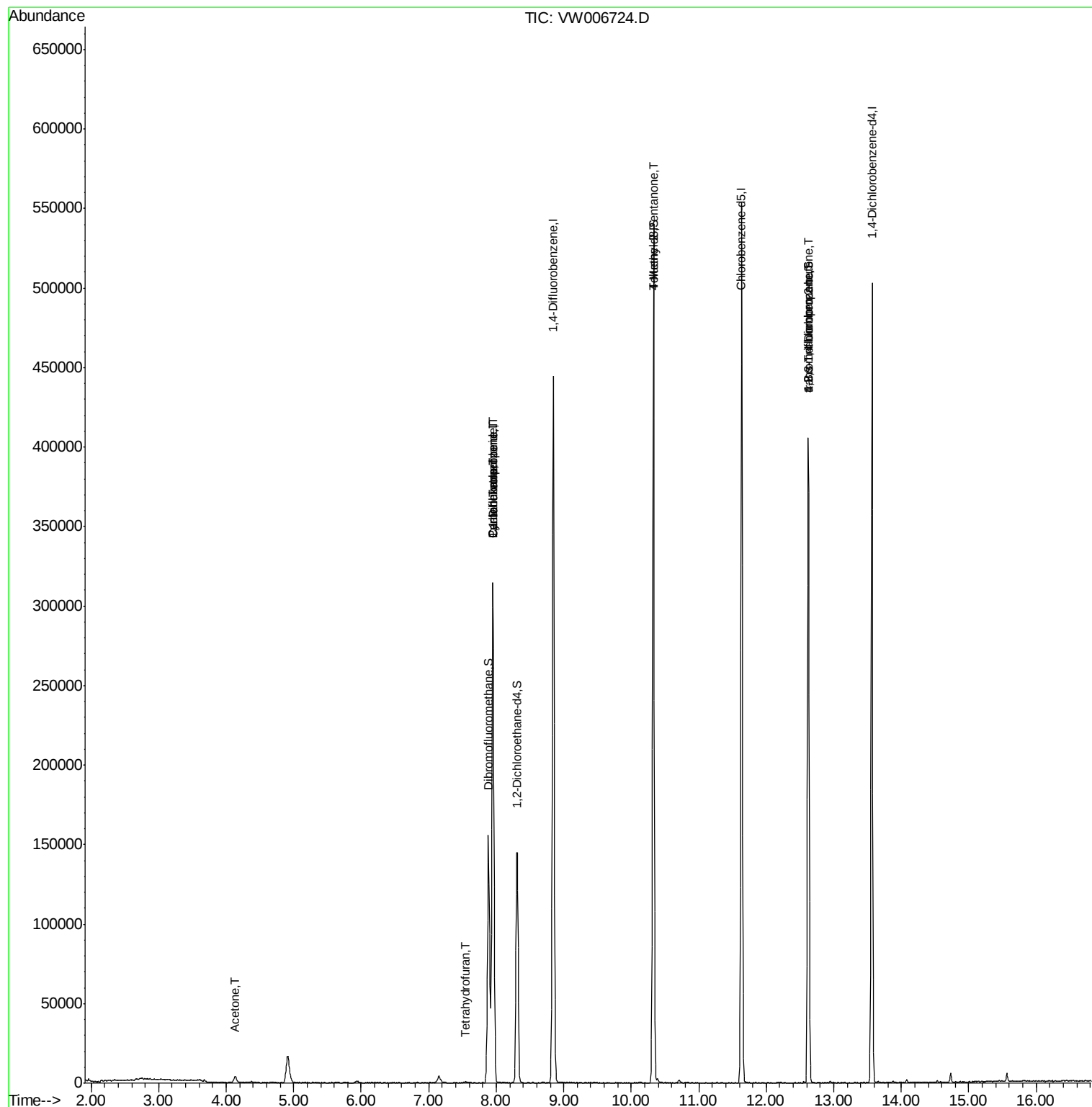
| Internal Standards             | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene          | 7.95   | 168  | 256981   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.85   | 114  | 401376   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63  | 117  | 324415   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.57  | 152  | 146985   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.31   | 65   | 116850   | 52.90   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 105.80% |          |
| 35) Dibromofluoromethane       | 7.88   | 113  | 109473   | 43.46   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 86.92%  |          |
| 50) Toluene-d8                 | 10.33  | 98   | 377786   | 39.40   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 78.80%  |          |
| 62) 4-Bromofluorobenzene       | 12.62  | 95   | 125912   | 36.22   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 72.44%  |          |
| Target Compounds               |        |      |          |         |         |          |
| 16) Acetone                    | 4.14   | 43   | 6761     | 18.957  | ug/l    | 99       |
| 29) Tetrahydrofuran            | 7.54   | 42   | 473      | 1.478   | ug/l #  | 69       |
| 31) Cyclohexane                | 7.95   | 56   | 4334     | 1.232   | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 7.95   | 75   | 15682    | 4.443   | ug/l #  | 48       |
| 38) Carbon Tetrachloride       | 7.95   | 117  | 22282    | 6.041   | ug/l #  | 16       |
| 51) 4-Methyl-2-Pentanone       | 10.32  | 43   | 1366     | 1.090   | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane     | 12.62  | 75   | 61101    | 53.279  | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.62  | 75   | 61101    | 133.295 | ug/l #  | 11       |

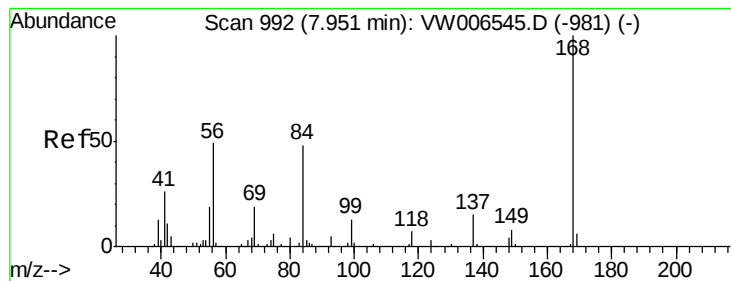
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110618\  
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Operator : SY/AP  
Sample : J5827-11  
Misc : 5.27G/5ML/MSVOA W/SOIL  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SP-B

Quant Time: Nov 07 11:38:02 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 01 03:48:08 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: VW006724.D

Acq: 07 Nov 2018 09:22

Instrument :

MSVOA\_W

ClientSampleId :

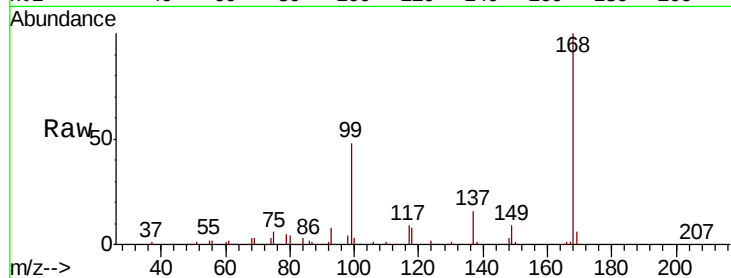
SP-B

Tot Ion:168 Resp: 256981

Ion Ratio Lower Upper

168 100

99 47.9 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

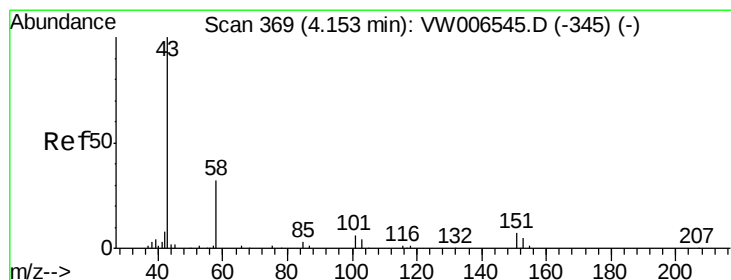
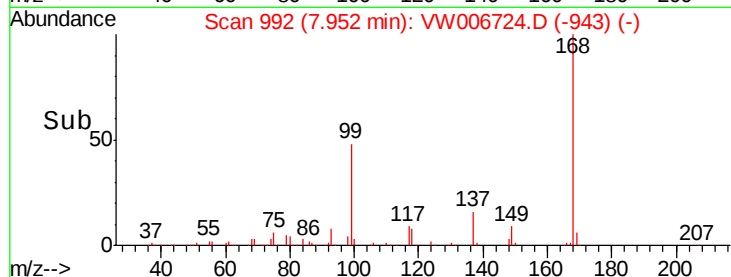
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 18.957 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.02 min

Lab File: VW006724.D

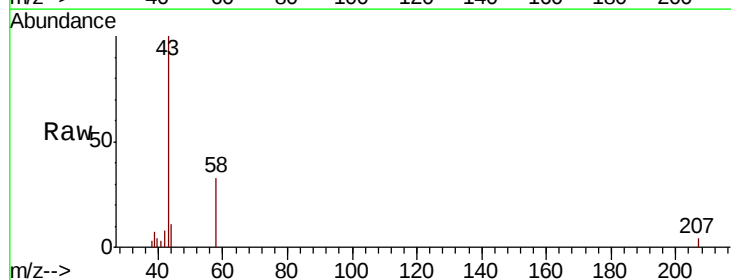
Acq: 07 Nov 2018 09:22

Tgt Ion: 43 Resp: 6761

Ion Ratio Lower Upper

43 100

58 32.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

2500

2000

1500

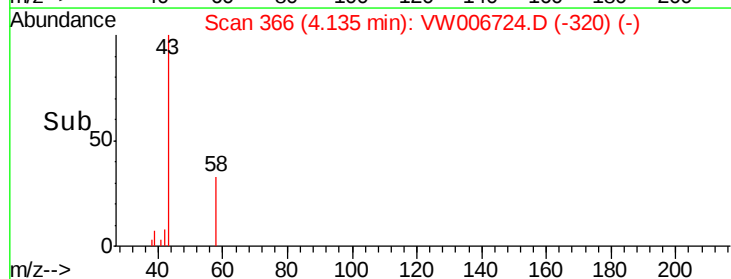
1000

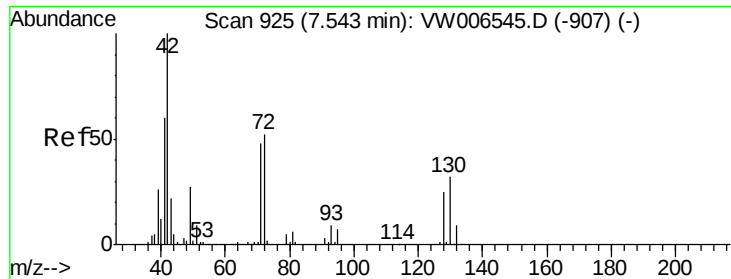
500

0

Time-->

4.00 4.10 4.20

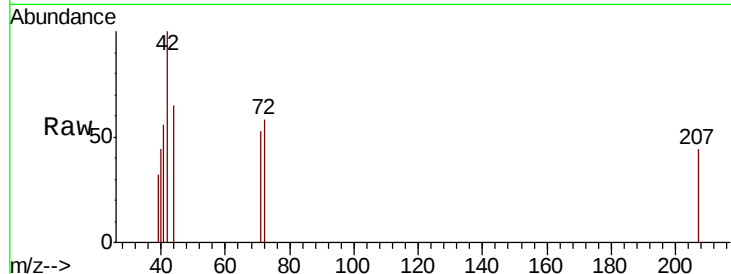




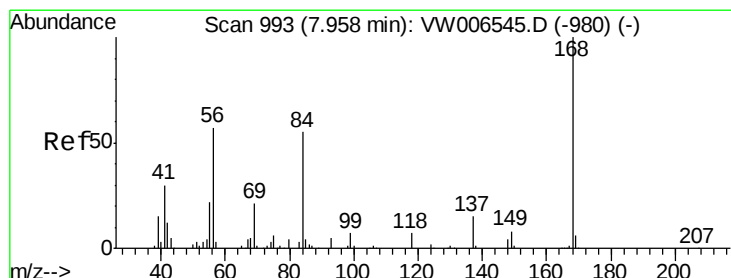
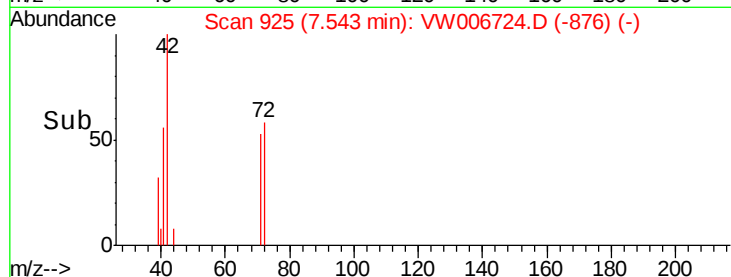
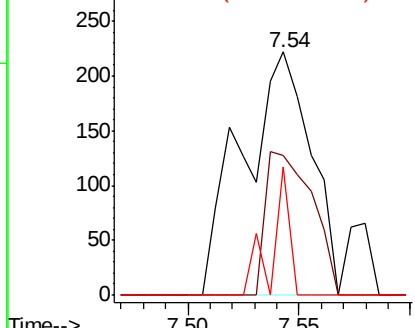
#29  
Tetrahydrofuran  
Concen: 1.478 ug/l  
RT: 7.54 min Scan# 925  
Delta R.T. 0.00 min  
Lab File: VW006724.D  
Acq: 07 Nov 2018 09:22

Instrument :  
MSVOA\_W  
ClientSampled :  
SP-B

Tot Ion: 42 Resp: 473  
Ion Ratio Lower Upper  
42 100  
72 40.6 39.2 58.8  
71 13.3 37.6 56.4#

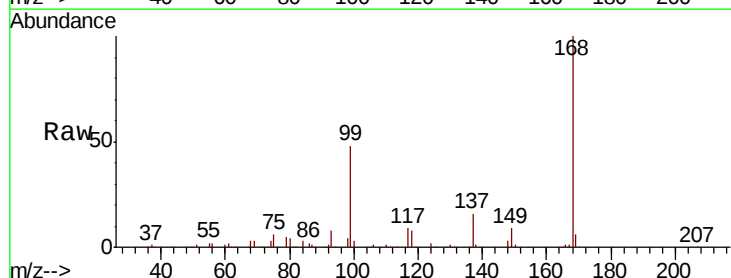


Abundance Ion 42.00 (41.70 to 42.70): VW  
Ion 72.00 (71.70 to 72.70): VW  
Ion 71.00 (70.70 to 71.70): VW

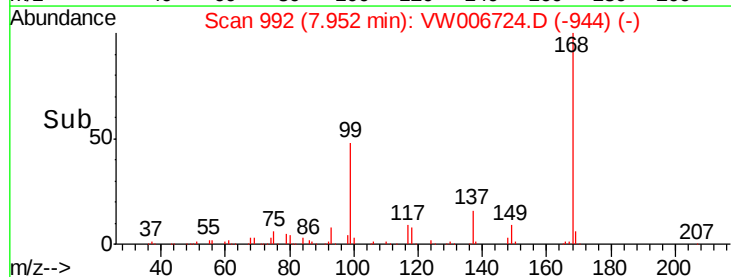
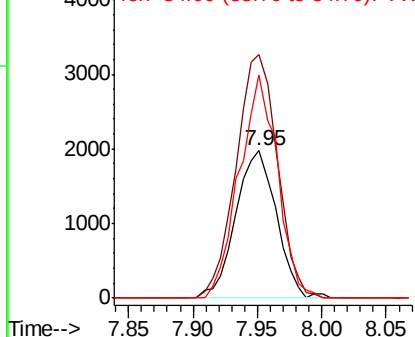


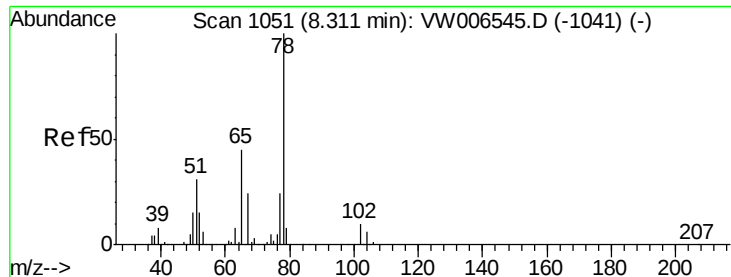
#31  
Cyclohexane  
Concen: 1.232 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: VW006724.D  
Acq: 07 Nov 2018 09:22

Tgt Ion: 56 Resp: 4334  
Ion Ratio Lower Upper  
56 100  
69 165.0 29.0 43.4#  
84 151.6 77.8 116.6#



Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

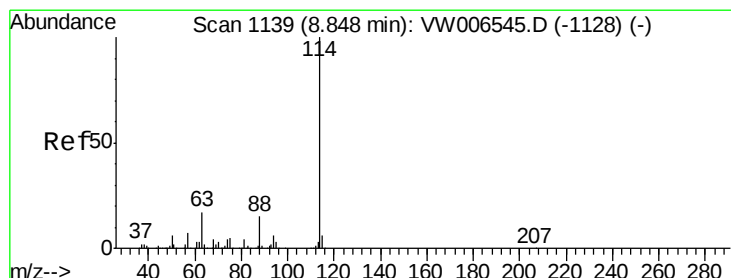
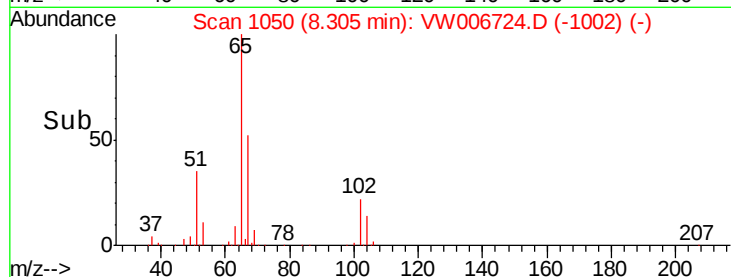
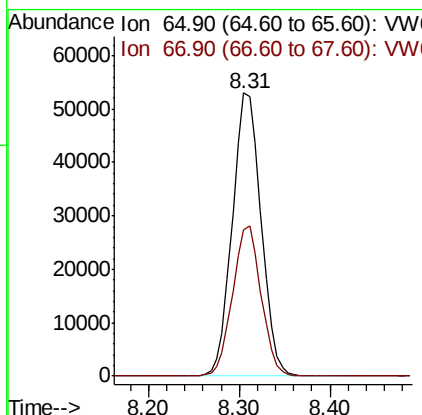
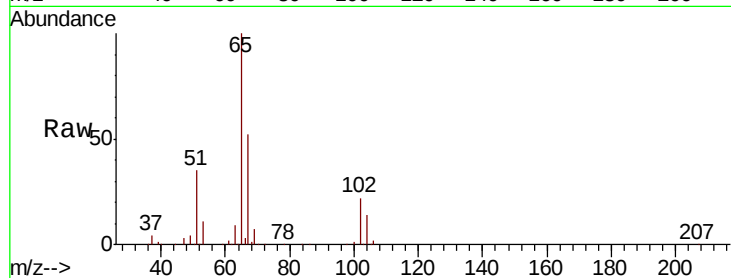




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.897 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VW006724.D  
 Acq: 07 Nov 2018 09:22

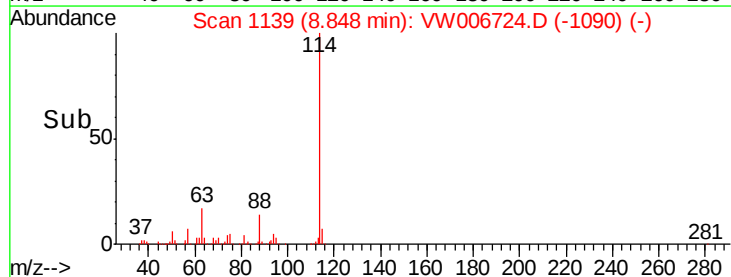
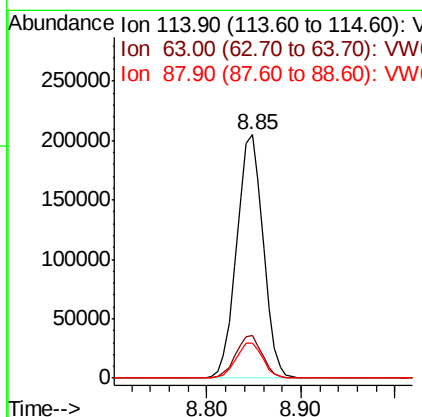
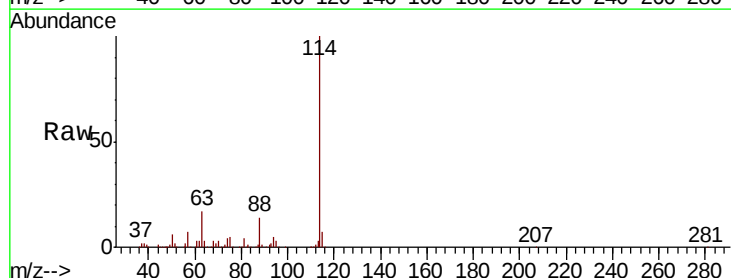
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 SP-B

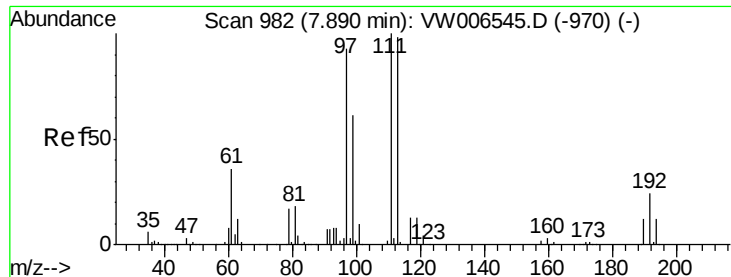
Tot Ion: 65 Resp: 116850  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW006724.D  
 Acq: 07 Nov 2018 09:22

Tgt Ion: 114 Resp: 401376  
 Ion Ratio Lower Upper  
 114 100  
 63 17.4 0.0 34.4  
 88 14.4 0.0 29.0

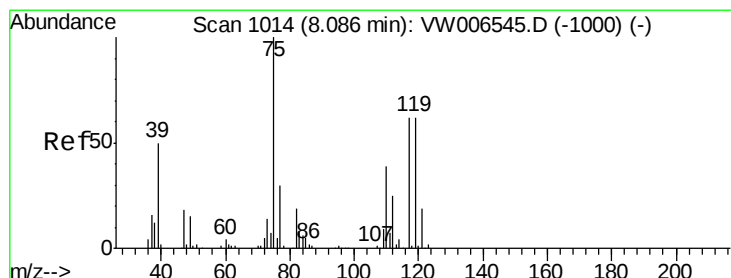
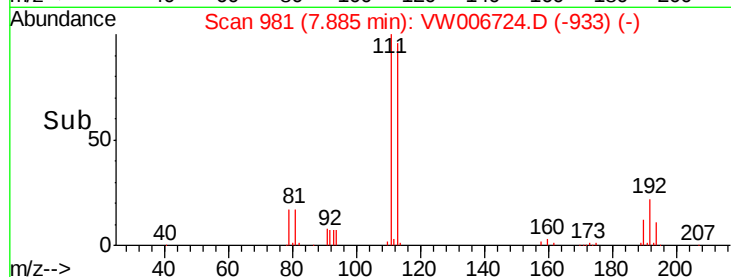
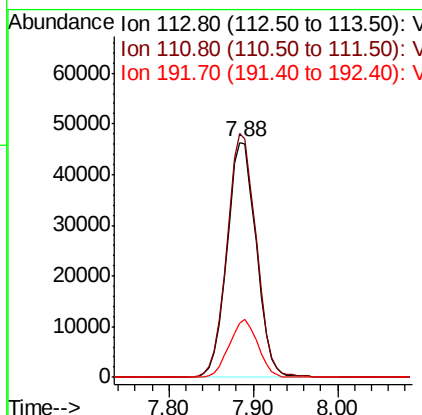
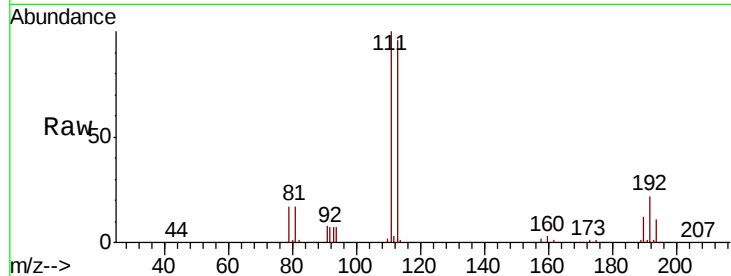




#35  
 Dibromofluoromethane  
 Concen: 43.460 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW006724.D  
 Acq: 07 Nov 2018 09:22

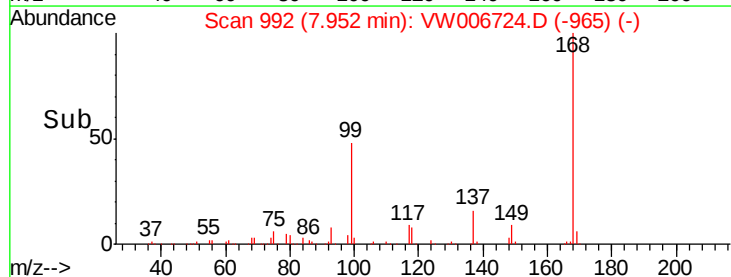
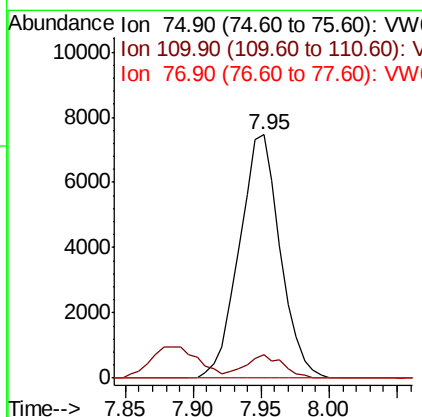
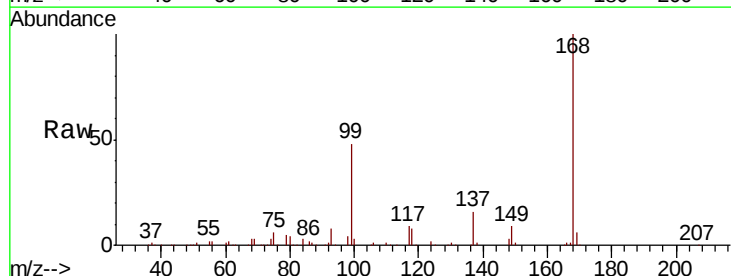
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SP-B

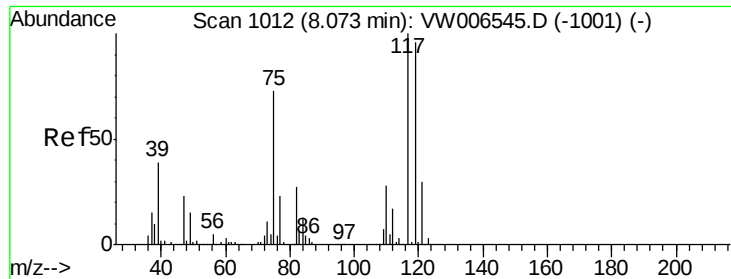
Tot Ion:113 Resp: 109473  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 82.2 123.2  
 192 23.8 19.0 28.6



#36  
 1,1-Dichloropropene  
 Concen: 4.443 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.13 min  
 Lab File: VW006724.D  
 Acq: 07 Nov 2018 09:22

Tgt Ion: 75 Resp: 15682  
 Ion Ratio Lower Upper  
 75 100  
 110 8.9 19.5 58.5#  
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.041 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006724.D

Acq: 07 Nov 2018 09:22

Instrument :

MSVOA\_W

ClientSampled :

SP-B

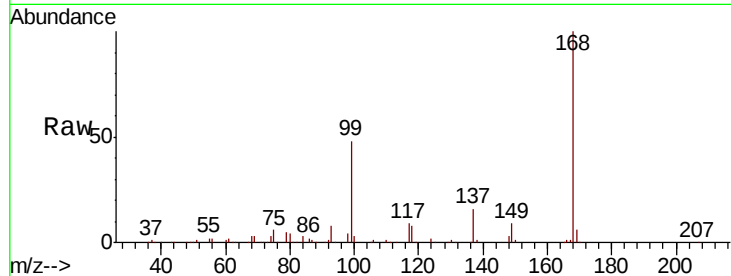
Tot Ion:117 Resp: 22282

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

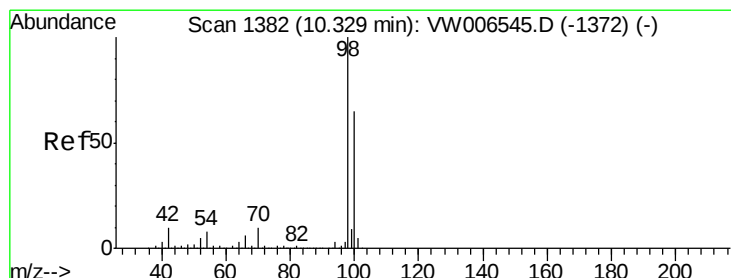
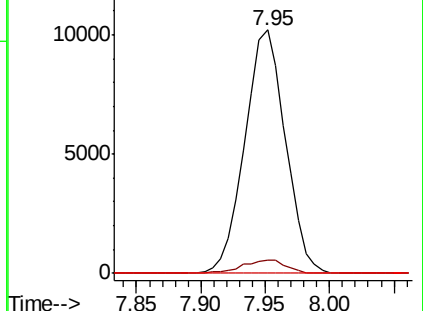
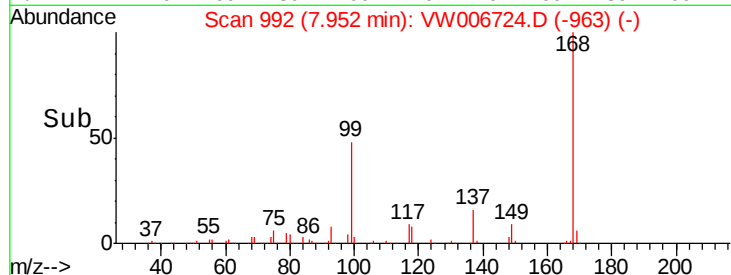
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 39.397 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006724.D

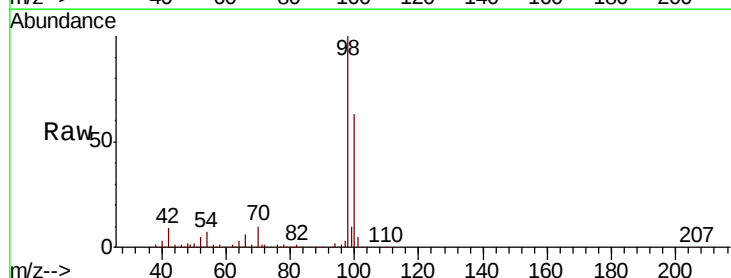
Acq: 07 Nov 2018 09:22

Tgt Ion: 98 Resp: 377786

Ion Ratio Lower Upper

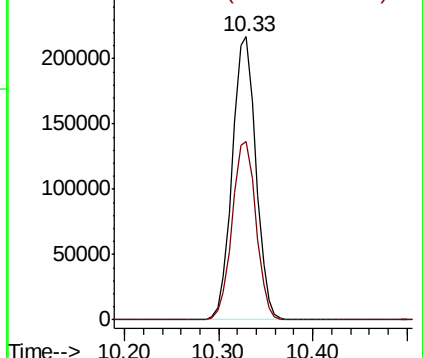
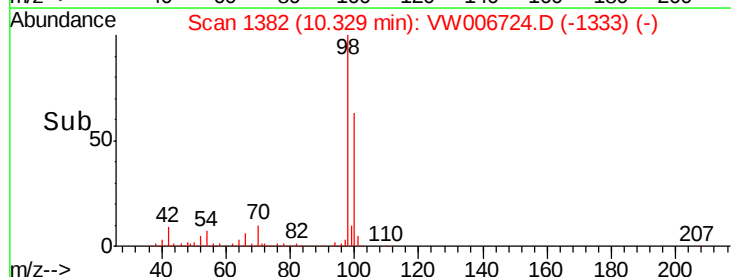
98 100

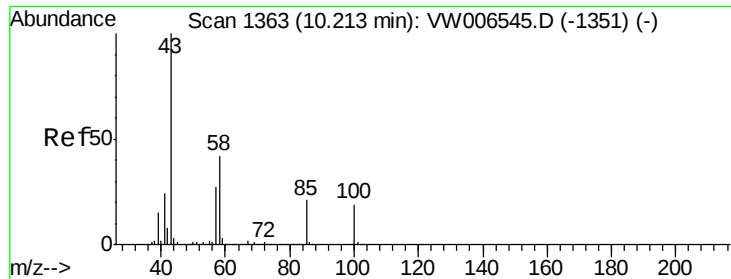
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.090 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW006724.D

Acq: 07 Nov 2018 09:22

Instrument :

MSVOA\_W

ClientSampleId :

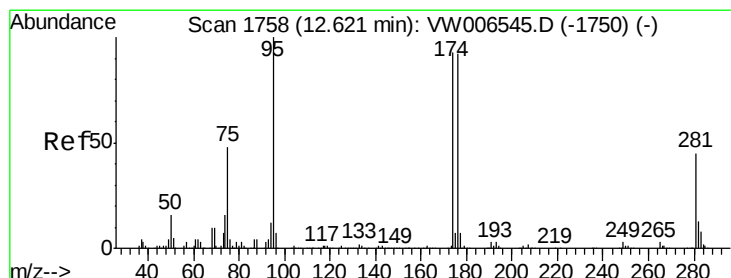
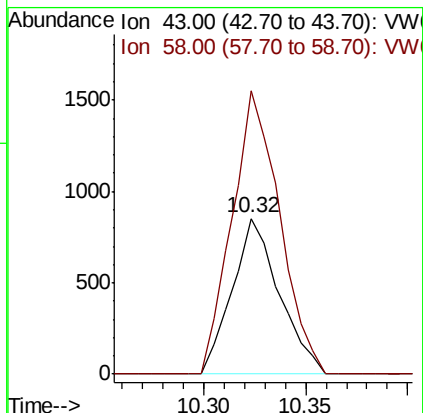
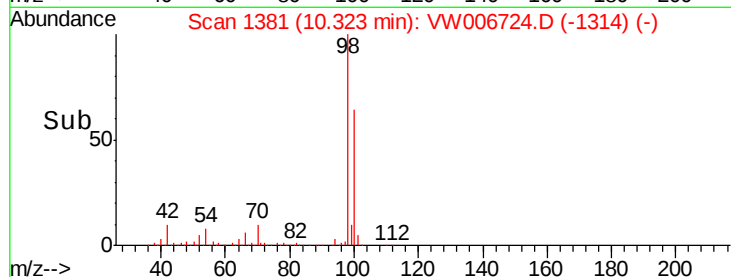
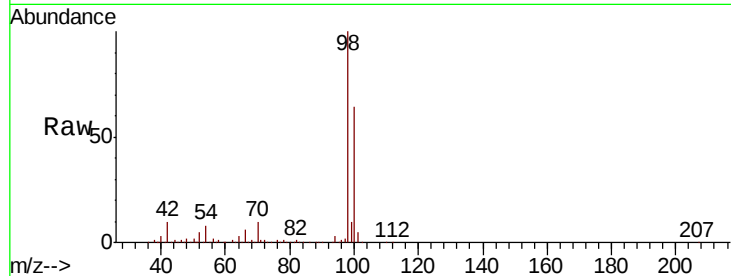
SP-B

Tot Ion: 43 Resp: 1366

Ion Ratio Lower Upper

43 100

58 184.3 33.4 50.0#



#62

4-Bromofluorobenzene

Concen: 36.219 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006724.D

Acq: 07 Nov 2018 09:22

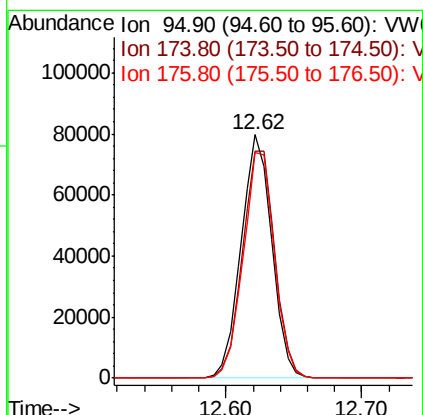
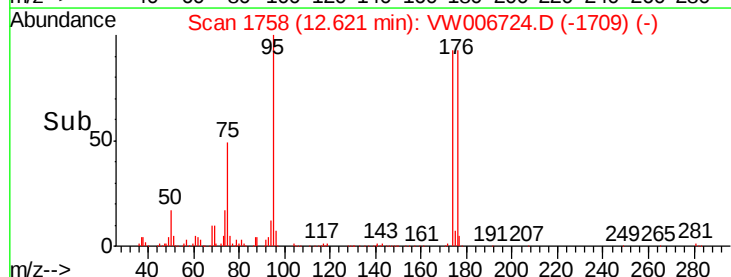
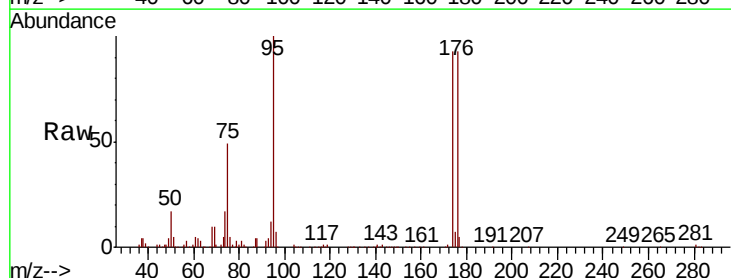
Tgt Ion: 95 Resp: 125912

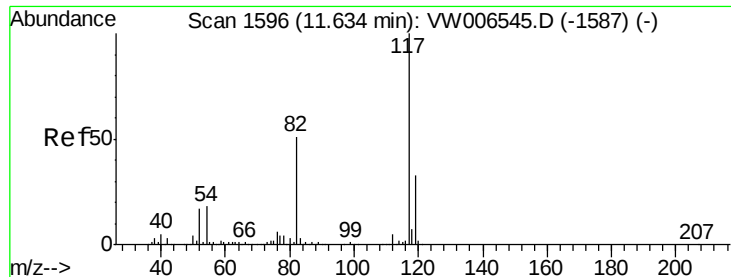
Ion Ratio Lower Upper

95 100

174 98.5 0.0 192.4

176 94.6 0.0 187.4

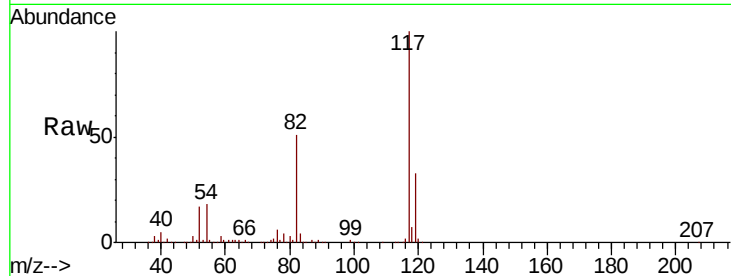




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW006724.D  
Acq: 07 Nov 2018 09:22

Instrument :  
MSVOA\_W  
ClientSampled :  
SP-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.1  | 40.8  | 61.2  |
| 119     | 33.1  | 26.1  | 39.1  |

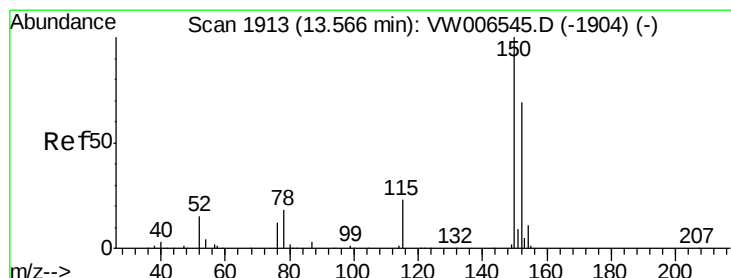
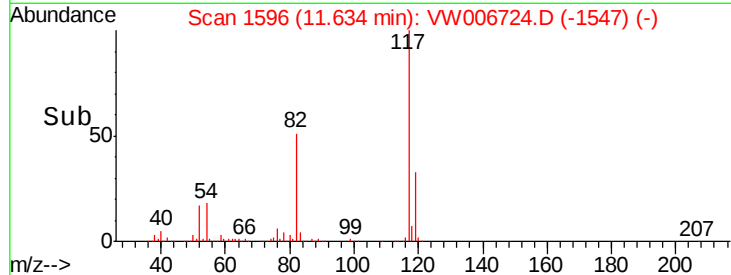
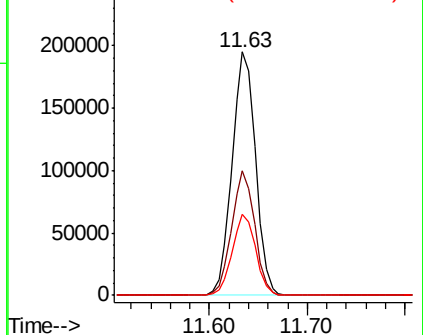


Abundance

Ion 116.90 (116.60 to 117.60): V

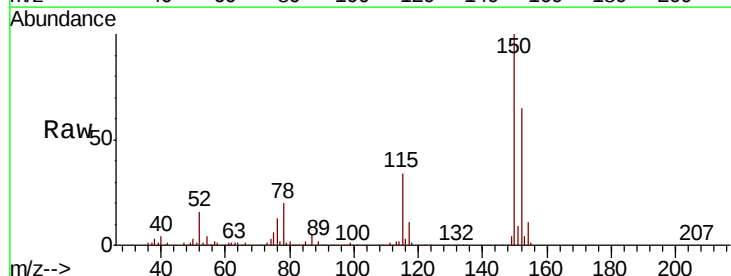
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.00 min  
Lab File: VW006724.D  
Acq: 07 Nov 2018 09:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.3  | 26.6  | 79.8  |
| 150     | 155.6 | 0.0   | 344.6 |

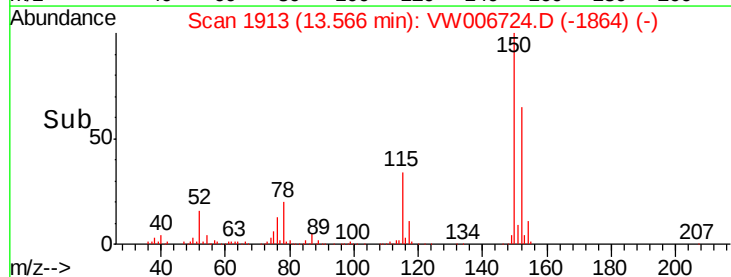
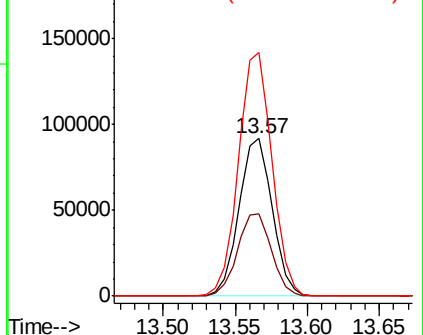


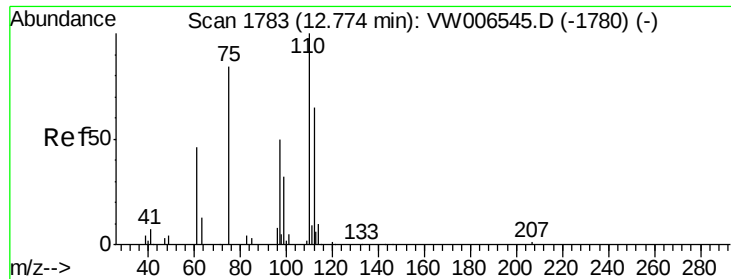
Abundance

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

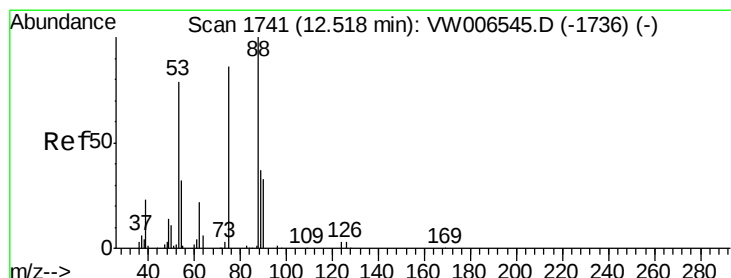
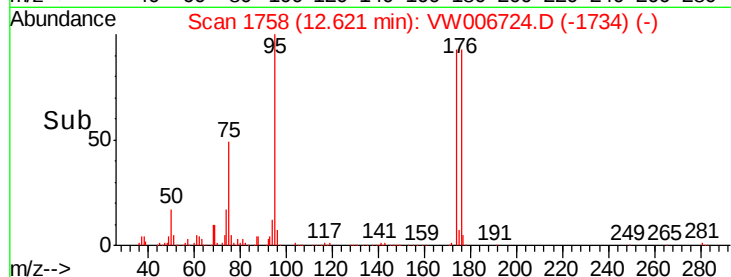
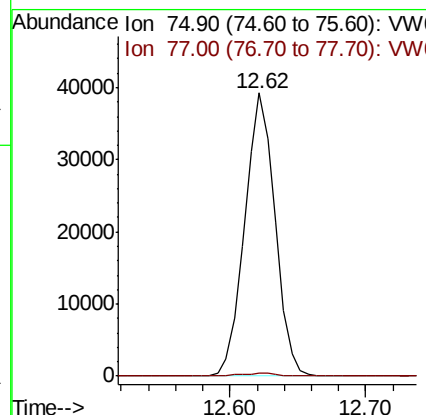
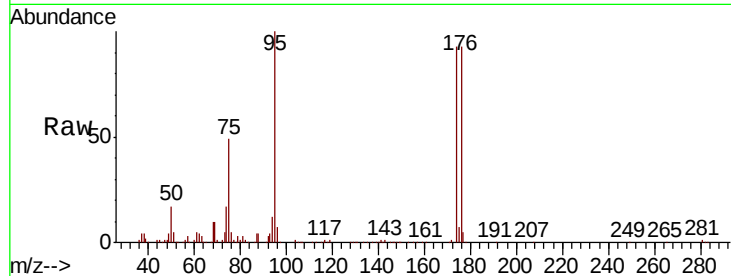




#76  
 1,2,3-Trichloropropane  
 Concen: 53.279 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.15 min  
 Lab File: VW006724.D  
 Acq: 07 Nov 2018 09:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SP-B

Tot Ion: 75 Resp: 61101  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 133.295 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.10 min  
 Lab File: VW006724.D  
 Acq: 07 Nov 2018 09:22

Tgt Ion: 75 Resp: 61101  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 77.2 115.8#  
 89 0.0 38.6 58.0#

