

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY011420\  
 Data File : VY001204.D  
 Acq On : 14 Jan 2020 15:10  
 Operator : SY/MD  
 Sample : L1108-04  
 Misc : 5.47G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 INWOOD-BH-02-B

Quant Time: Jan 15 01:23:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y011020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 10 16:01:58 2020  
 Response via : Initial Calibration

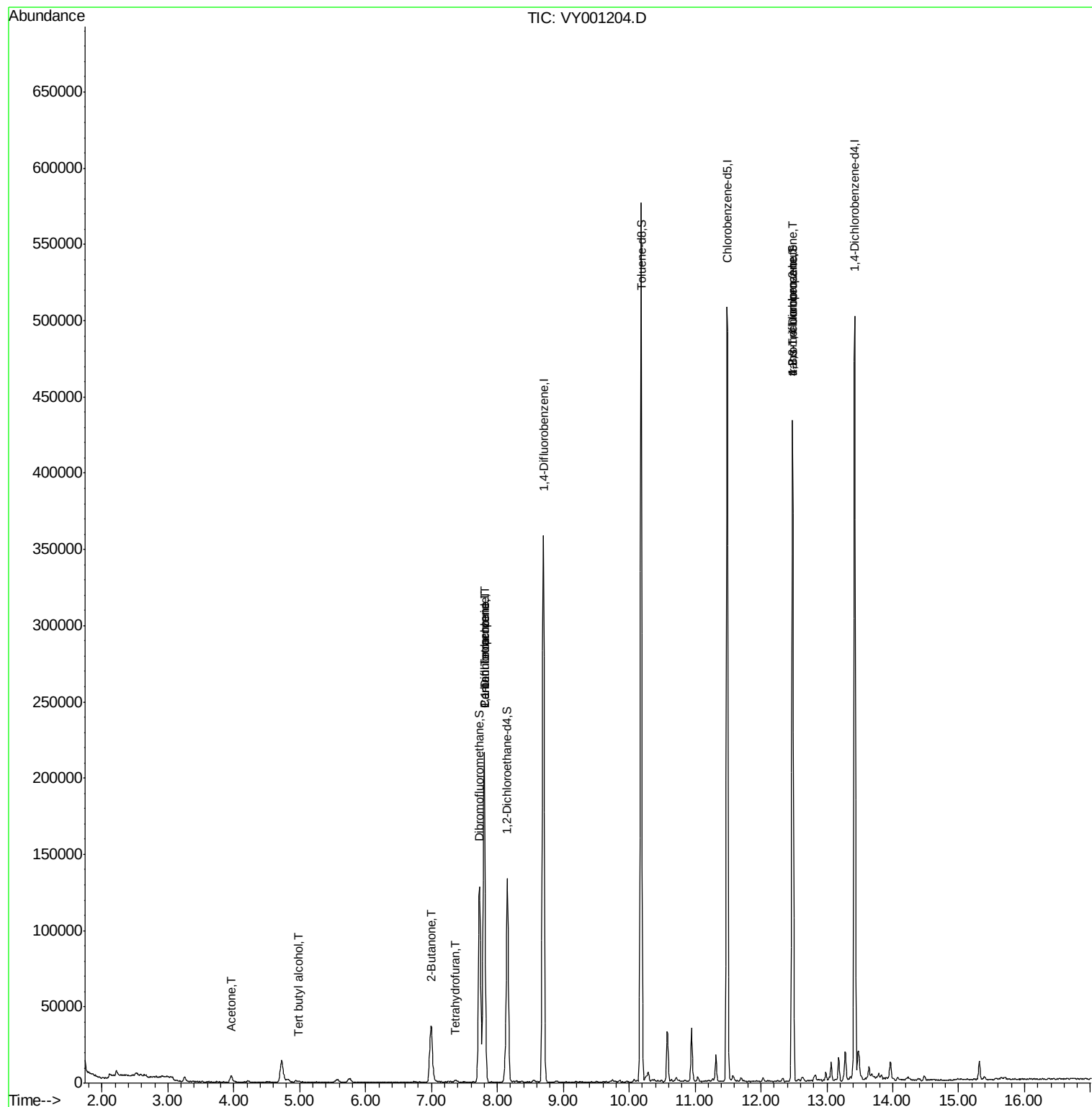
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene          | 7.80  | 168  | 171803   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.70  | 114  | 314909   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.49 | 117  | 283032   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.42 | 152  | 124377   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.15  | 65   | 98001    | 54.01  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 108.02% |          |
| 35) Dibromofluoromethane       | 7.73  | 113  | 93145    | 50.52  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 101.04% |          |
| 50) Toluene-d8                 | 10.18 | 98   | 369795   | 52.05  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 104.10% |          |
| 62) 4-Bromofluorobenzene       | 12.48 | 95   | 131779   | 45.37  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 90.74%  |          |
| Target Compounds               |       |      |          |        |         |          |
|                                |       |      |          |        | Qvalue  |          |
| 11) Tert butyl alcohol         | 4.98  | 59   | 2043     | 11.190 | ug/l #  | 81       |
| 16) Acetone                    | 3.96  | 43   | 7341     | 17.420 | ug/l    | 94       |
| 25) 2-Butanone                 | 6.99  | 43   | 2513     | 3.832  | ug/l #  | 75       |
| 29) Tetrahydrofuran            | 7.36  | 42   | 1176     | 2.616  | ug/l    | 94       |
| 36) 1,1-Dichloropropene        | 7.80  | 75   | 13422    | 4.676  | ug/l #  | 48       |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 16530    | 6.284  | ug/l #  | 15       |
| 76) 1,2,3-Trichloropropane     | 12.48 | 75   | 64236    | 48.245 | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75   | 64236    | 81.812 | ug/l #  | 6        |

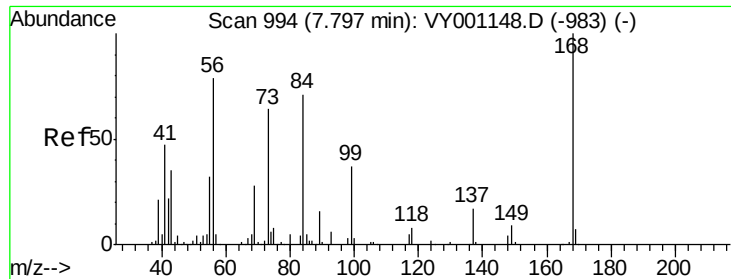
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\DATA\VY011420\  
Data File : VY001204.D  
Acq On : 14 Jan 2020 15:10  
Operator : SY/MD  
Sample : L1108-04  
Misc : 5.47G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
INWOOD-BH-02-B

Quant Time: Jan 15 01:23:14 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y011020S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 10 16:01:58 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001204.D

Acq: 14 Jan 2020 15:10

Instrument :

MSVOA\_Y

ClientSampleId :

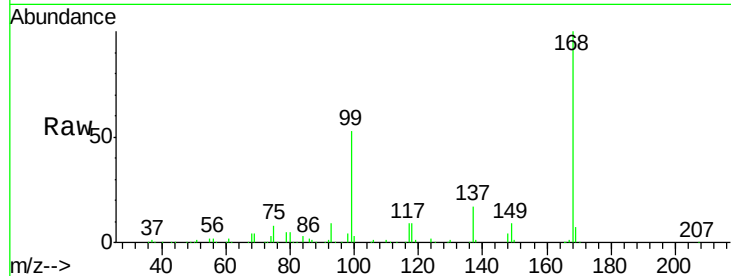
INWOOD-BH-02-B

Tgt Ion: 168 Resp: 171803

Ion Ratio Lower Upper

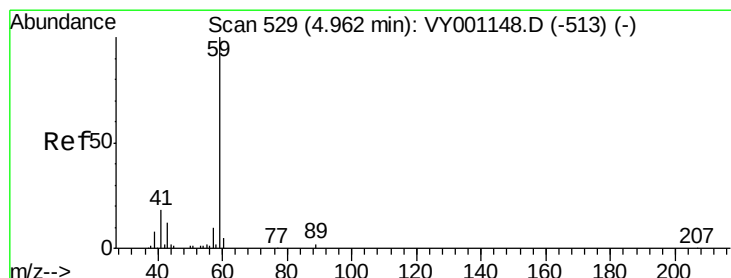
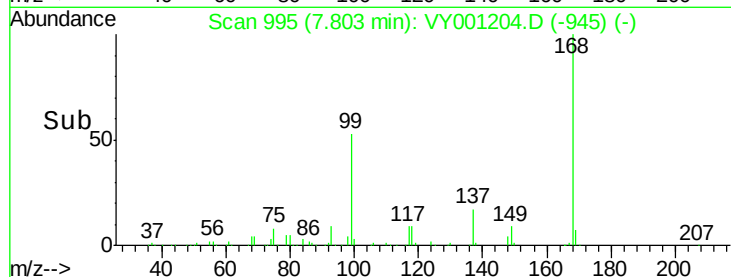
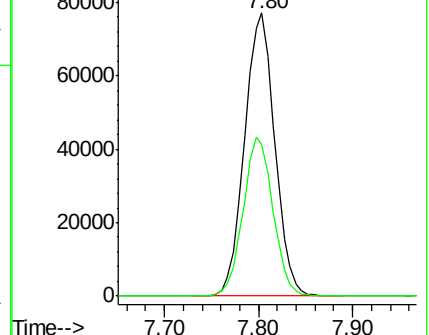
168 100

99 53.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)



#11

Tert butyl alcohol

Concen: 11.190 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.02 min

Lab File: VY001204.D

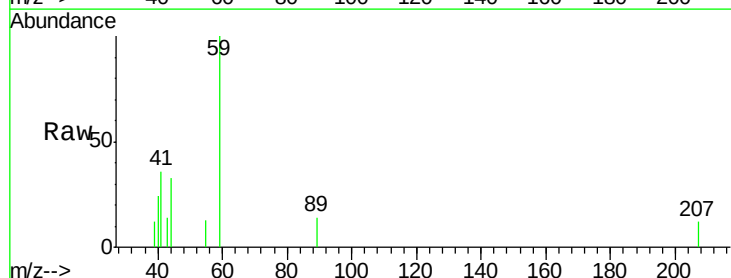
Acq: 14 Jan 2020 15:10

Tgt Ion: 59 Resp: 2043

Ion Ratio Lower Upper

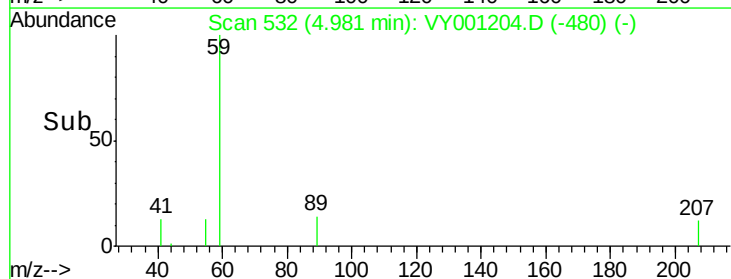
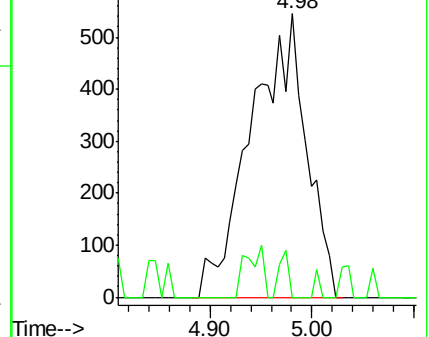
59 100

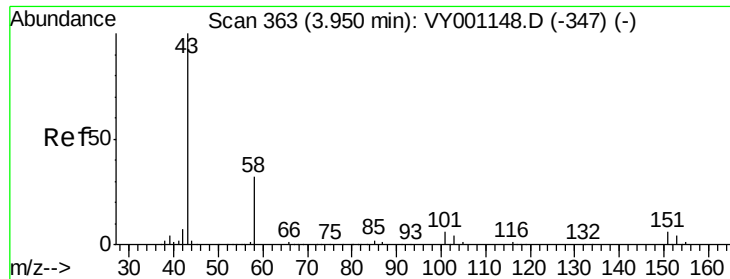
57 2.7 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001148.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY001148.D (-513) (-)





#16

Acetone

Concen: 17.420 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001204.D

Acq: 14 Jan 2020 15:10

Instrument :

MSVOA\_Y

ClientSampleId :

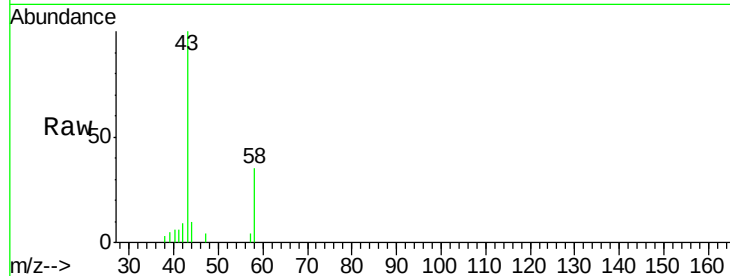
INWOOD-BH-02-B

Tgt Ion: 43 Resp: 7341

Ion Ratio Lower Upper

43 100

58 35.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001148.D (-347) (-)

3000

2500

2000

1500

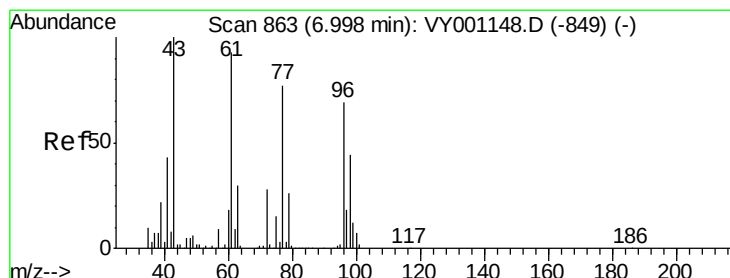
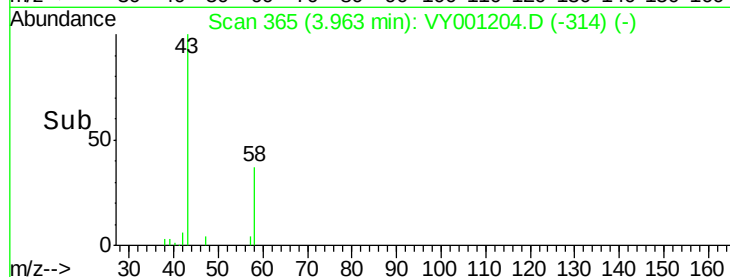
1000

500

0

Time-->

3.90 3.96 4.00 4.10



#25

2-Butanone

Concen: 3.832 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001204.D

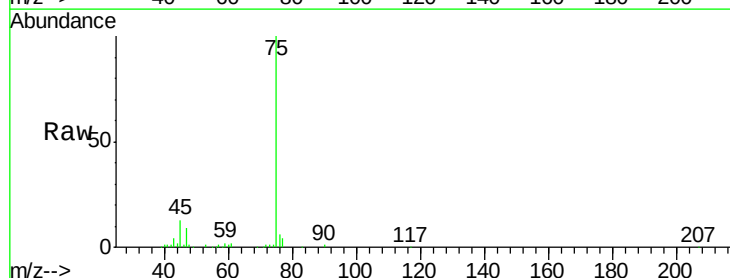
Acq: 14 Jan 2020 15:10

Tgt Ion: 43 Resp: 2513

Ion Ratio Lower Upper

43 100

72 14.5 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-849) (-)

Ion 72.00 (71.70 to 72.70): VY001148.D (-849) (-)

1200

1000

800

600

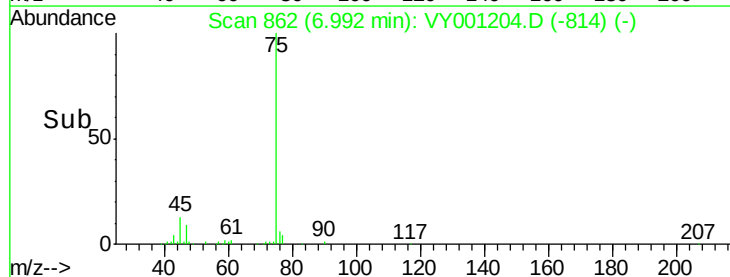
400

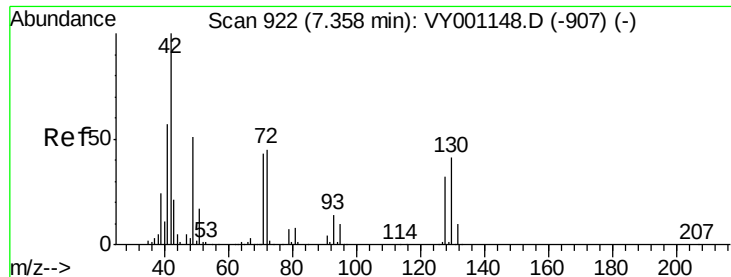
200

0

Time-->

6.90 6.95 7.00 7.05

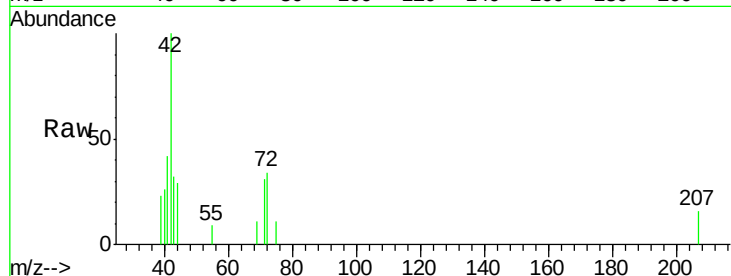




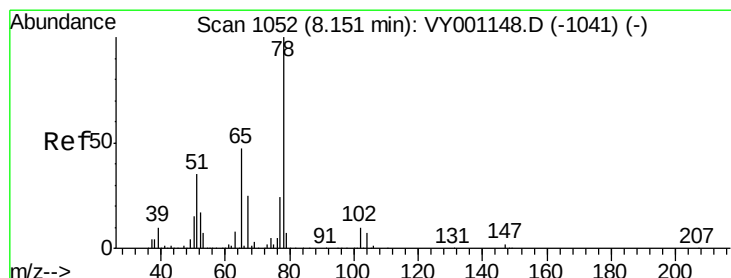
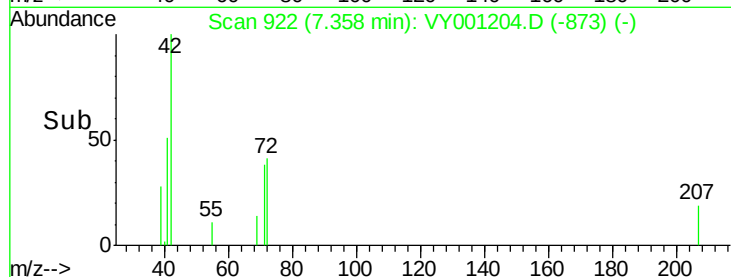
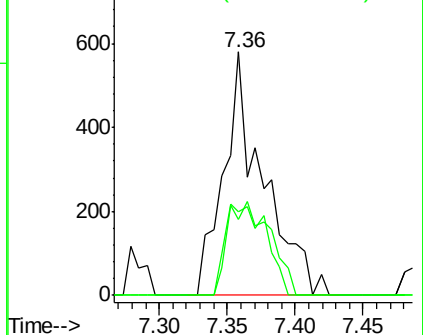
#29  
Tetrahydrofuran  
Concen: 2.616 ug/l  
RT: 7.36 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VY001204.D  
Acq: 14 Jan 2020 15:10

Instrument :  
MSVOA\_Y  
ClientSampleId :  
INWOOD-BH-02-B

Tgt Ion: 42 Resp: 1176  
Ion Ratio Lower Upper  
42 100  
72 38.8 36.9 55.3  
71 41.6 34.0 51.0

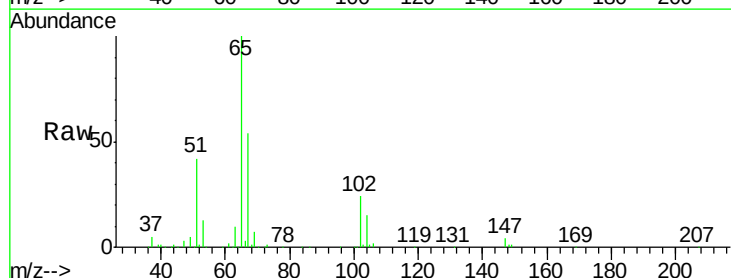


Abundance Ion 42.00 (41.70 to 42.70): VY0  
Ion 72.00 (71.70 to 72.70): VY0  
Ion 71.00 (70.70 to 71.70): VY0

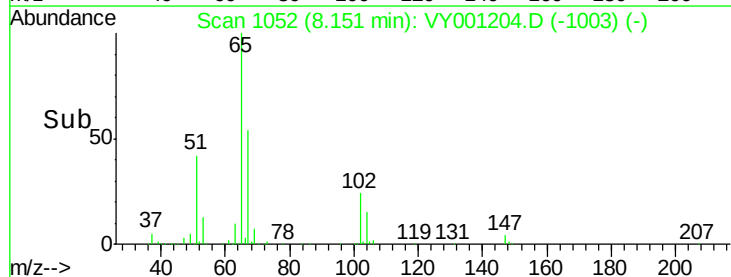
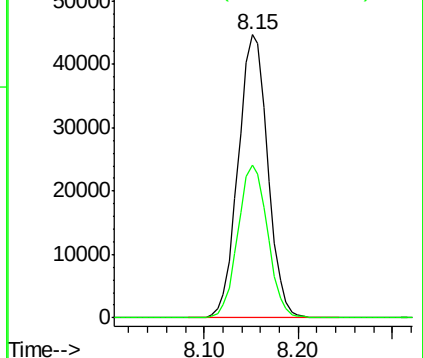


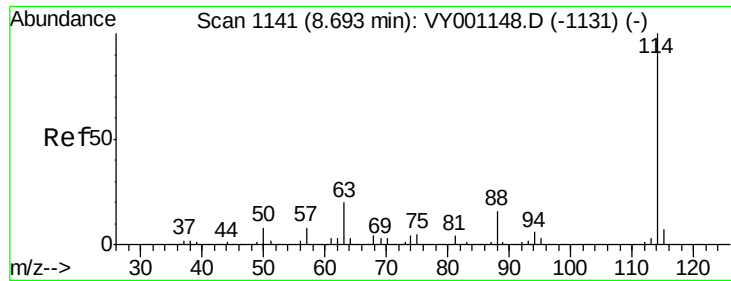
#33  
1,2-Dichloroethane-d4  
Concen: 54.009 ug/l  
RT: 8.15 min Scan# 1052  
Delta R.T. 0.00 min  
Lab File: VY001204.D  
Acq: 14 Jan 2020 15:10

Tgt Ion: 65 Resp: 98001  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0  
Ion 66.90 (66.60 to 67.60): VY0

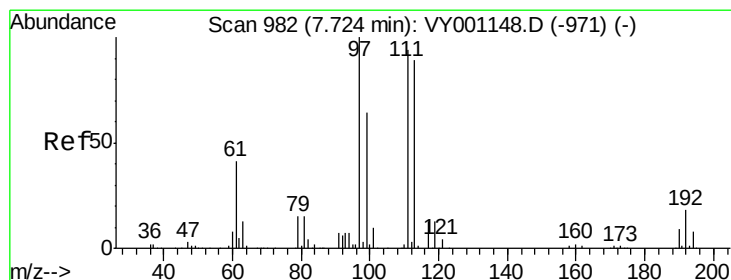
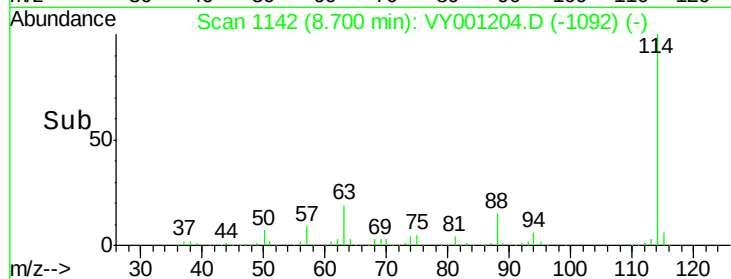
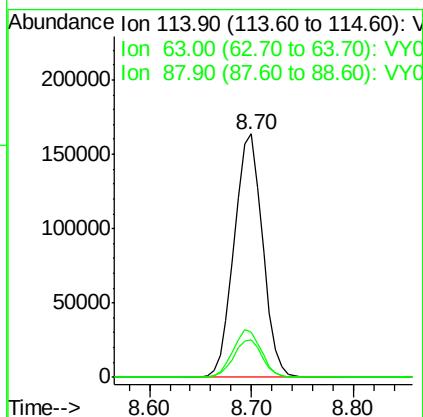
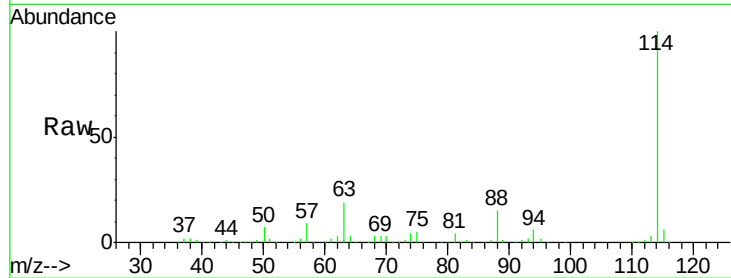




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. 0.01 min  
 Lab File: VY001204.D  
 Acq: 14 Jan 2020 15:10

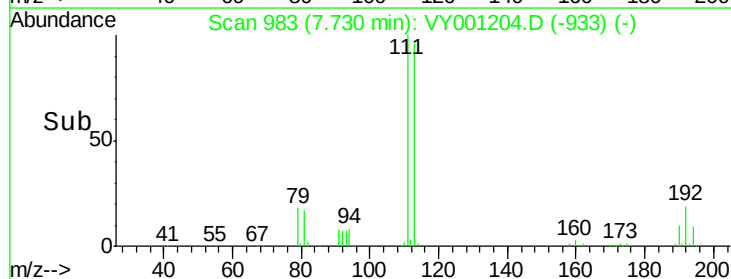
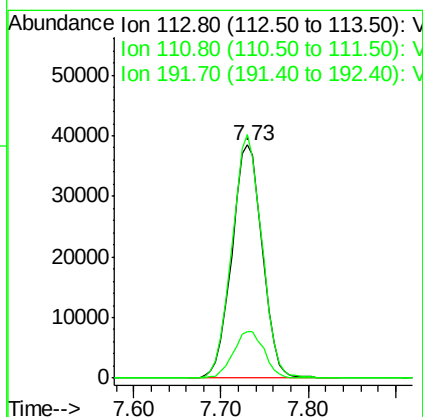
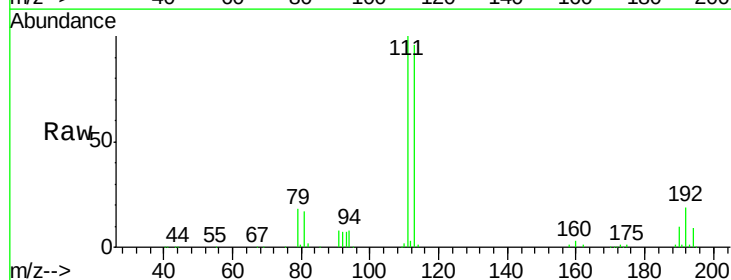
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 INWOOD-BH-02-B

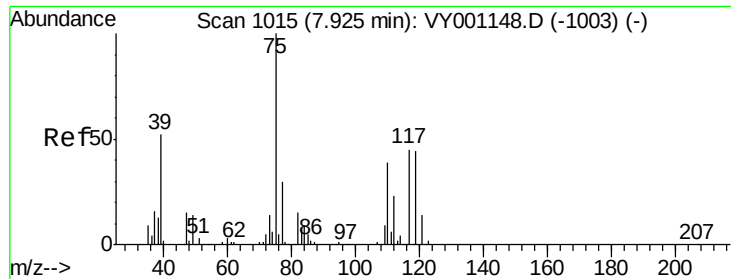
Tgt Ion:114 Resp: 314909  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 40.8  
 88 15.2 0.0 32.4



#35  
 Dibromofluoromethane  
 Concen: 50.518 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. 0.01 min  
 Lab File: VY001204.D  
 Acq: 14 Jan 2020 15:10

Tgt Ion:113 Resp: 93145  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 82.9 124.3  
 192 20.3 15.4 23.2

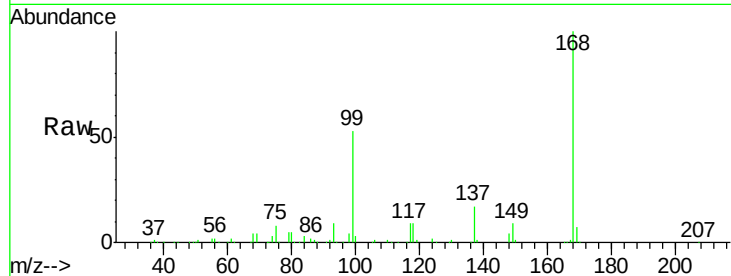




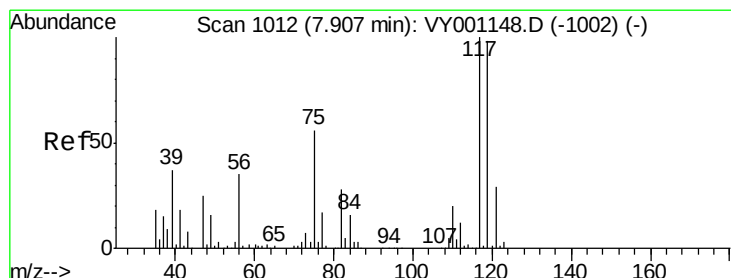
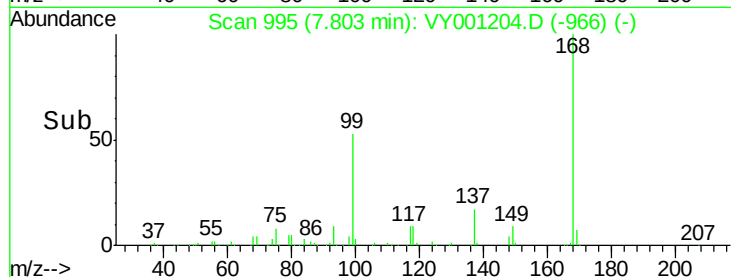
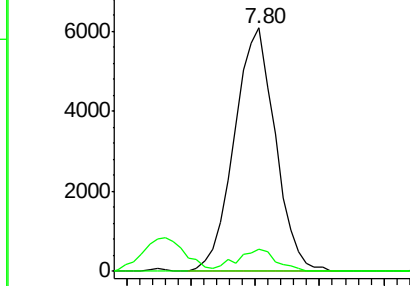
#36  
 1,1-Dichloropropene  
 Concen: 4.676 ug/l  
 RT: 7.80 min Scan# 995  
 Delta R.T. -0.12 min  
 Lab File: VY001204.D  
 Acq: 14 Jan 2020 15:10

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 INWOOD-BH-02-B

Tgt Ion: 75 Resp: 13422  
 Ion Ratio Lower Upper  
 75 100  
 110 8.6 18.3 54.8#  
 77 0.0 25.1 37.7#

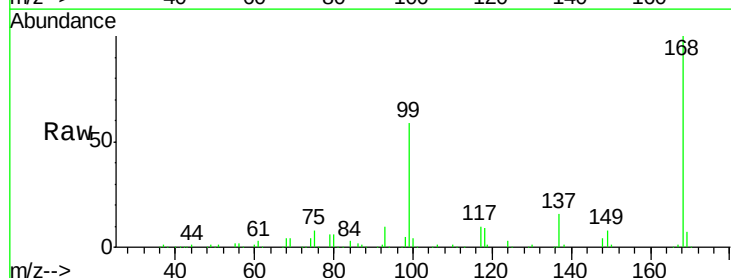


Abundance Ion 74.90 (74.60 to 75.60): VY001148.D (-1003) (-)  
 Ion 109.90 (109.60 to 110.60): VY001148.D (-1003) (-)  
 Ion 76.90 (76.60 to 77.60): VY001148.D (-1003) (-)

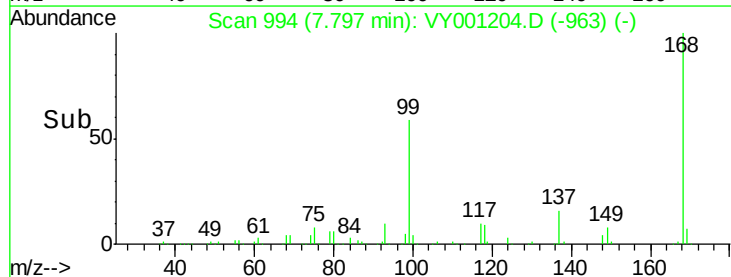
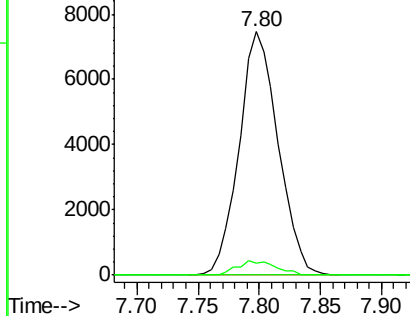


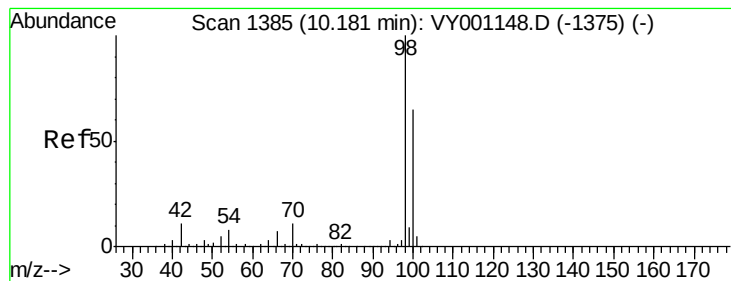
#38  
 Carbon Tetrachloride  
 Concen: 6.284 ug/l  
 RT: 7.80 min Scan# 994  
 Delta R.T. -0.11 min  
 Lab File: VY001204.D  
 Acq: 14 Jan 2020 15:10

Tgt Ion: 117 Resp: 16530  
 Ion Ratio Lower Upper  
 117 100  
 119 5.1 78.3 117.5#  
 121 0.0 23.5 35.3#



Abundance Ion 116.80 (116.50 to 117.50): VY001148.D (-1002) (-)  
 Ion 118.80 (118.50 to 119.50): VY001148.D (-1002) (-)  
 Ion 120.80 (120.50 to 121.50): VY001148.D (-1002) (-)





#50

Toluene-d8

Concen: 52.052 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001204.D

Acq: 14 Jan 2020 15:10

Instrument :

MSVOA\_Y

ClientSampleId :

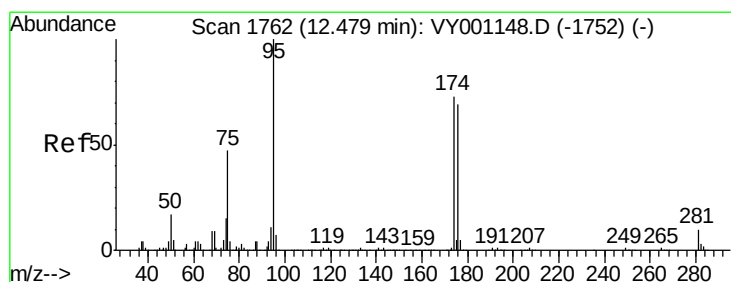
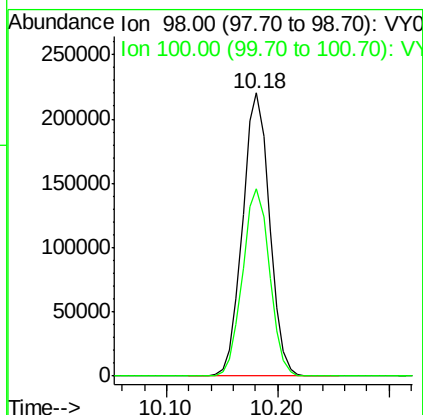
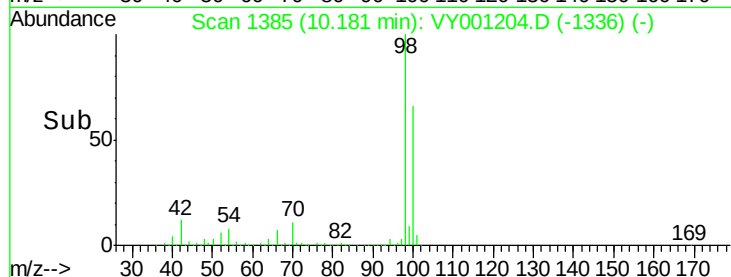
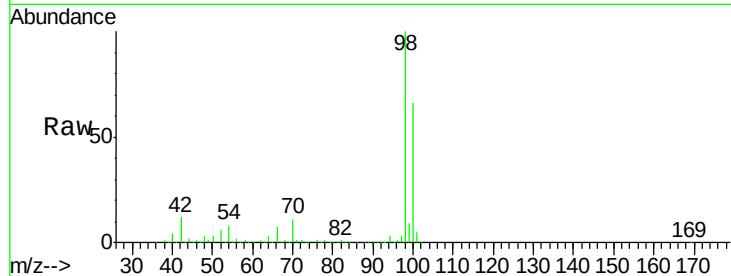
INWOOD-BH-02-B

Tgt Ion: 98 Resp: 369795

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.371 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001204.D

Acq: 14 Jan 2020 15:10

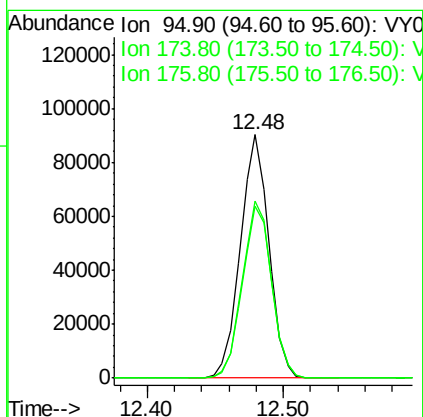
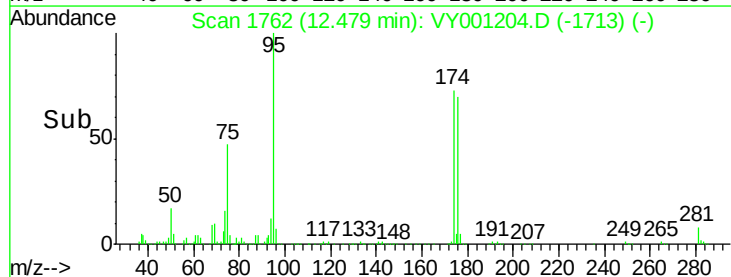
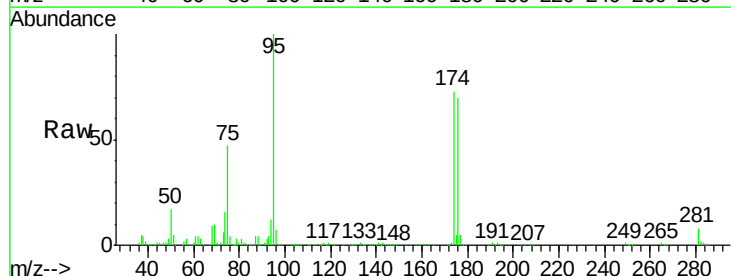
Tgt Ion: 95 Resp: 131779

Ion Ratio Lower Upper

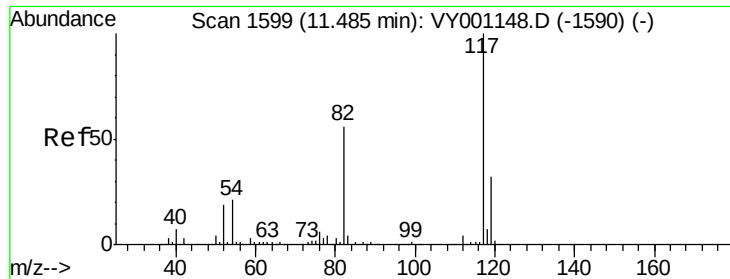
95 100

174 75.0 0.0 143.2

176 73.0 0.0 136.0



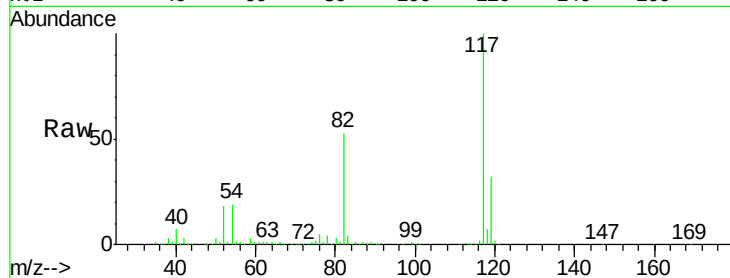




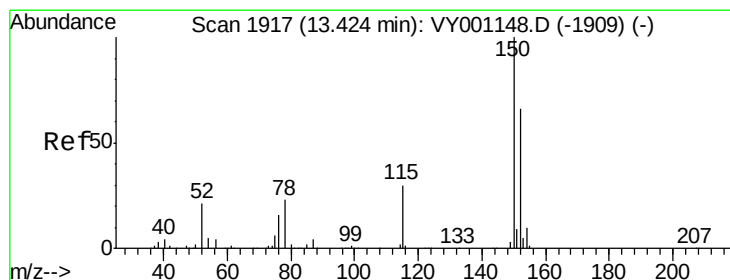
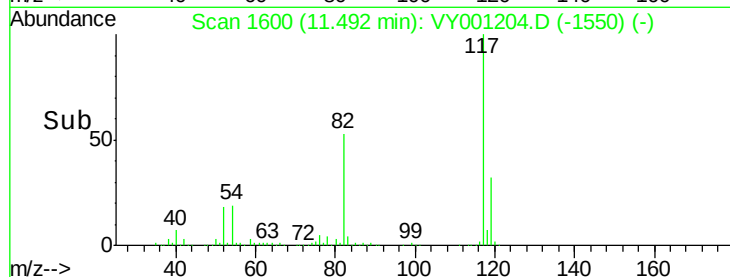
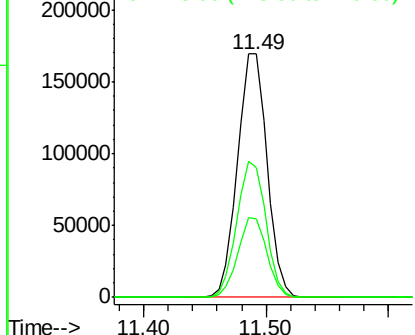
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.01 min  
Lab File: VY001204.D  
Acq: 14 Jan 2020 15:10

Instrument :  
MSVOA\_Y  
ClientSampleId :  
INWOOD-BH-02-B

Tgt Ion:117 Resp: 283032  
Ion Ratio Lower Upper  
117 100  
82 53.1 44.9 67.3  
119 32.0 25.7 38.5

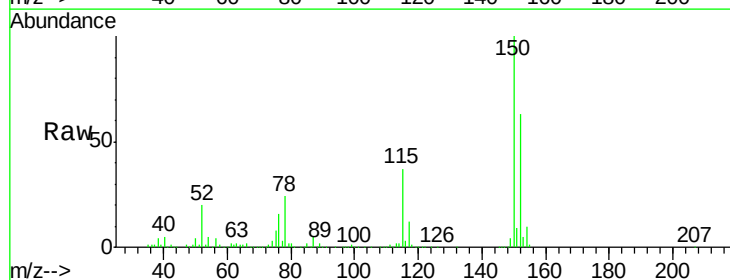


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V

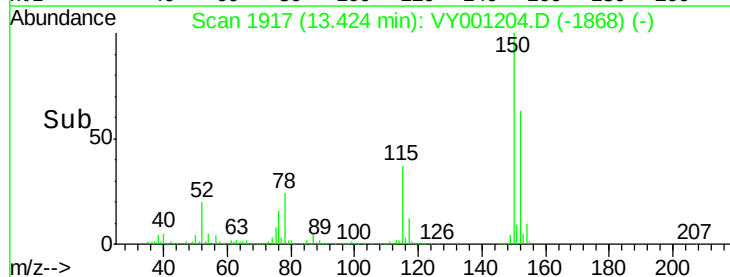
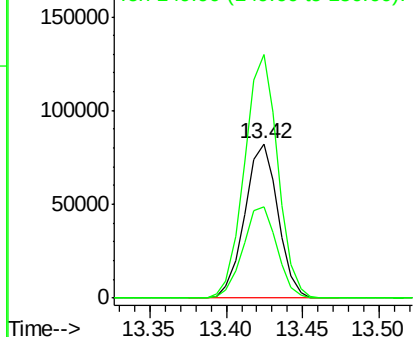


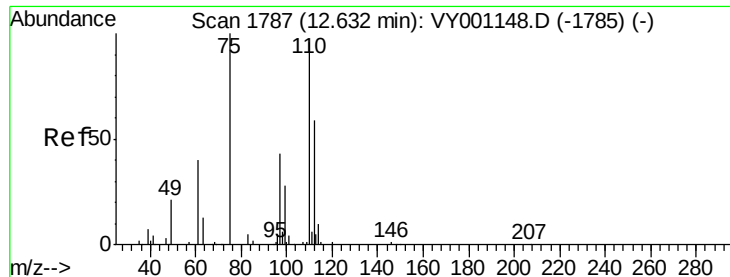
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY001204.D  
Acq: 14 Jan 2020 15:10

Tgt Ion:152 Resp: 124377  
Ion Ratio Lower Upper  
152 100  
115 60.5 30.9 92.5  
150 157.7 0.0 346.8



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: 48.245 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001204.D

Acq: 14 Jan 2020 15:10

Instrument :

MSVOA\_Y

ClientSampleId :

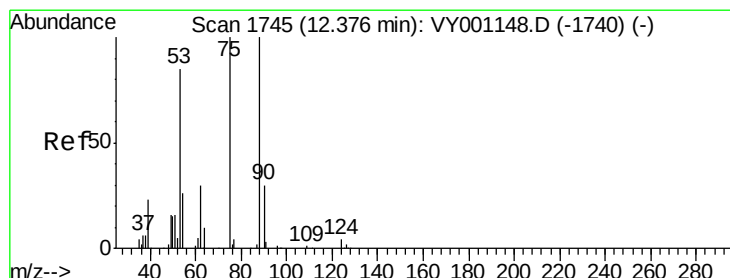
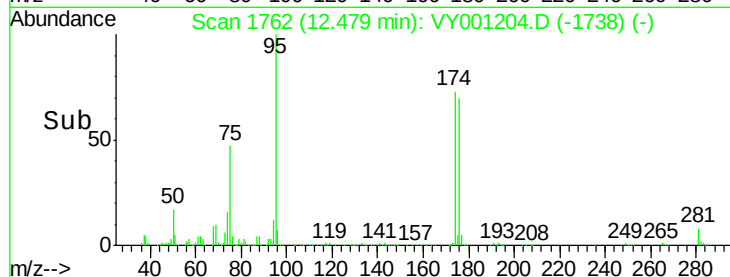
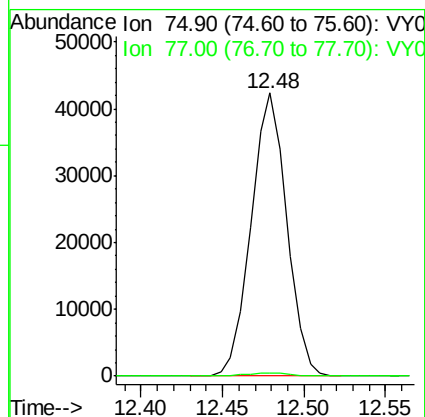
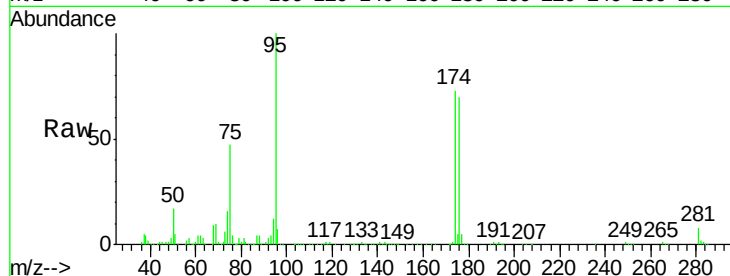
INWOOD-BH-02-B

Tgt Ion: 75 Resp: 64236

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.812 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001204.D

Acq: 14 Jan 2020 15:10

Tgt Ion: 75 Resp: 64236

Ion Ratio Lower Upper

75 100

53 0.1 69.4 104.2#

89 0.1 0.0 0.0#

