

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\  
 Data File : VY002974.D  
 Acq On : 22 Jun 2020 15:22  
 Operator : SY/MD  
 Sample : L3020-07RE  
 Misc : 7.41G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MW-25(19-21)

Quant Time: Jun 23 08:12:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 20 06:39:15 2020  
 Response via : Initial Calibration

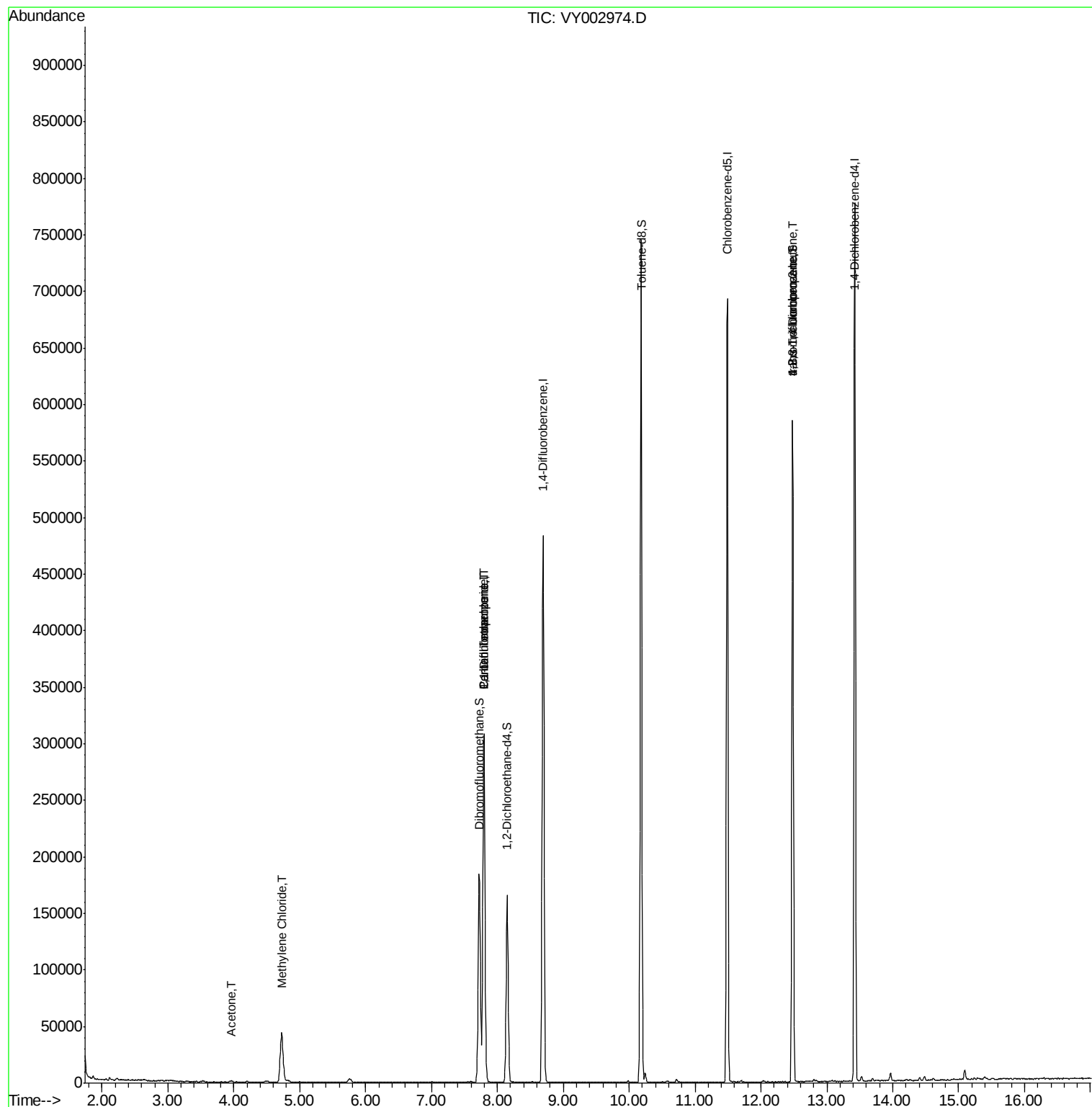
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.80   | 168  | 265141   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.69   | 114  | 434807   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.49  | 117  | 407139   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.42  | 152  | 210435   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.15   | 65   | 130108   | 59.41     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 118.82% |          |
| 35) Dibromofluoromethane       | 7.72   | 113  | 134415   | 54.63     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 109.26% |          |
| 50) Toluene-d8                 | 10.18  | 98   | 505148   | 52.07     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 104.14% |          |
| 62) 4-Bromofluorobenzene       | 12.48  | 95   | 177621   | 52.79     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 105.58% |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 16) Acetone                    | 3.96   | 43   | 2130     | 3.927     | ug/l #  | 61       |
| 18) Methyl Acetate             | 4.50   | 43   | 1555     | Below Cal |         | 94       |
| 20) Methylene Chloride         | 4.73   | 84   | 36349    | 8.295     | ug/l    | 95       |
| 36) 1,1-Dichloropropene        | 7.80   | 75   | 15873    | 4.495     | ug/l #  | 49       |
| 38) Carbon Tetrachloride       | 7.80   | 117  | 23367    | 6.004     | ug/l #  | 16       |
| 76) 1,2,3-Trichloropropane     | 12.48  | 75   | 83446    | 45.532    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.48  | 75   | 83446    | 86.930    | ug/l #  | 16       |

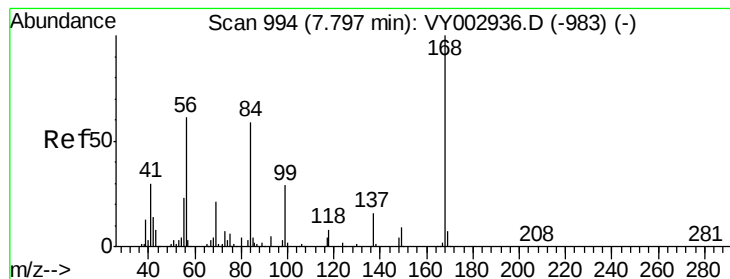
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062220\  
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Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002974.D

Acq: 22 Jun 2020 15:22

Instrument :

MSVOA\_Y

ClientSampleId :

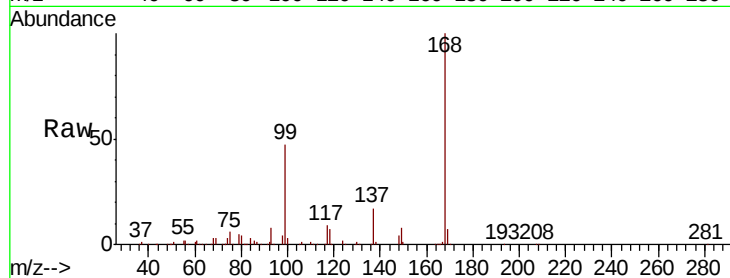
MW-25(19-21)

Tot Ion:168 Resp: 265141

Ion Ratio Lower Upper

168 100

99 47.4 39.5 59.3



Abundance Ion 167.90 (167.60 to 168.60): VY002974.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002974.D (-945) (-)

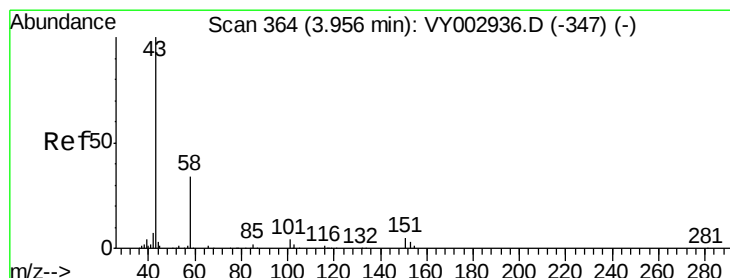
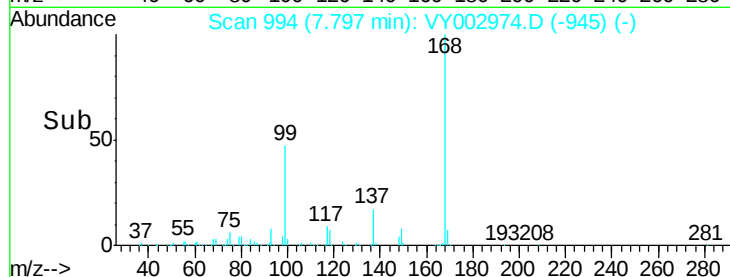
7.80

100000

50000

0

Time-->



#16

Acetone

Concen: 3.927 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002974.D

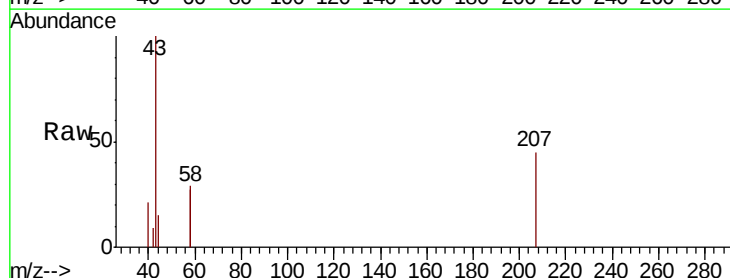
Acq: 22 Jun 2020 15:22

Tgt Ion: 43 Resp: 2130

Ion Ratio Lower Upper

43 100

58 56.6 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY002974.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002974.D (-315) (-)

3.96

1000

800

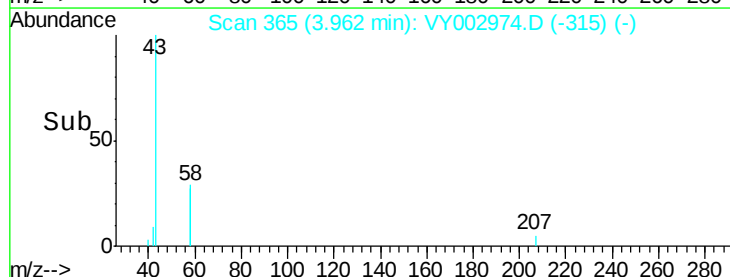
600

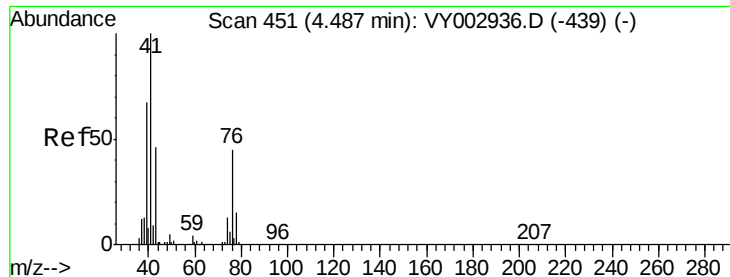
400

200

0

Time-->

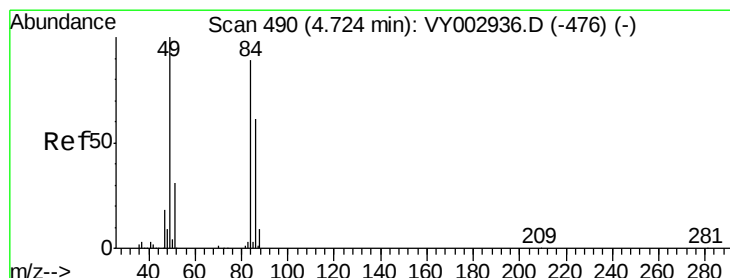
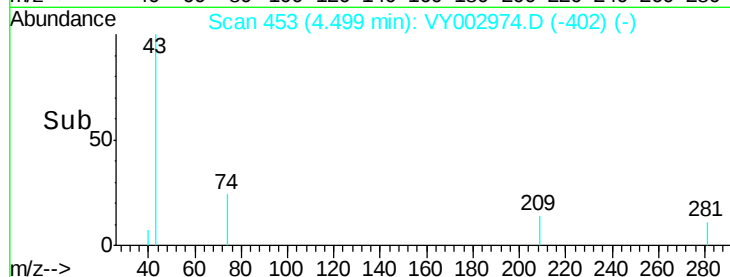
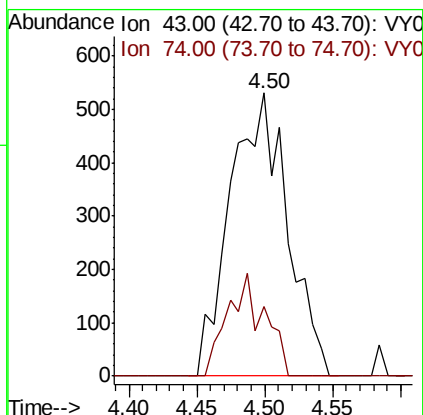
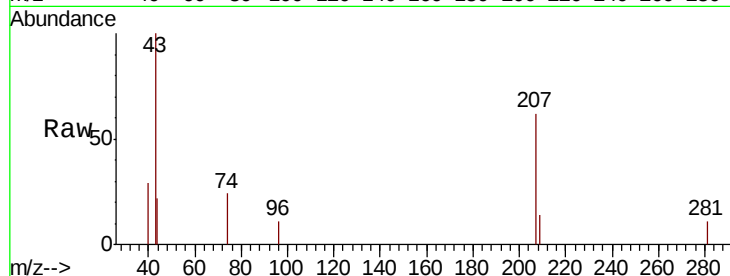




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.50 min Scan# 453  
Delta R.T. 0.01 min  
Lab File: VY002974.D  
Acq: 22 Jun 2020 15:22

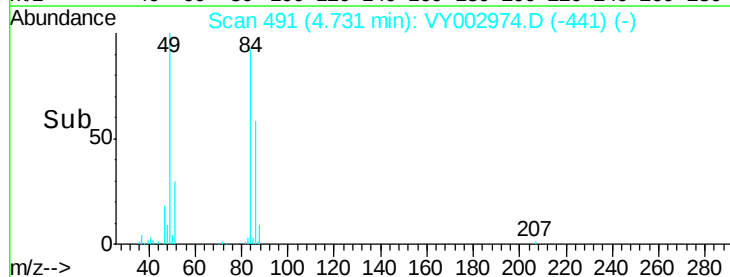
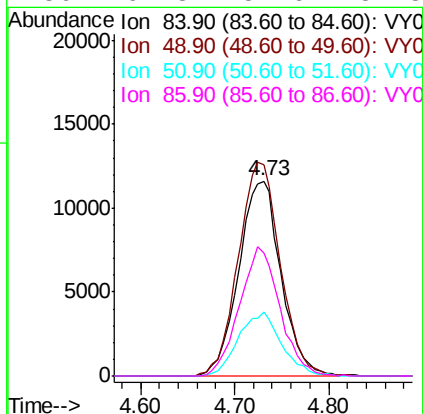
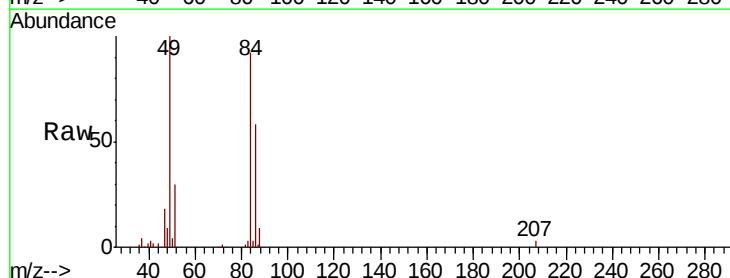
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MW-25(19-21)

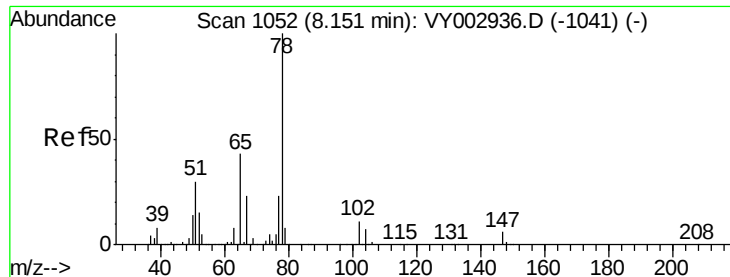
Tot Ion: 43 Resp: 1555  
Ion Ratio Lower Upper  
43 100  
74 23.5 21.1 31.7



#20  
Methylene Chloride  
Concen: 8.295 ug/l  
RT: 4.73 min Scan# 491  
Delta R.T. 0.01 min  
Lab File: VY002974.D  
Acq: 22 Jun 2020 15:22

Tgt Ion: 84 Resp: 36349  
Ion Ratio Lower Upper  
84 100  
49 108.4 90.0 135.0  
51 32.9 27.9 41.9  
86 62.8 54.6 81.8

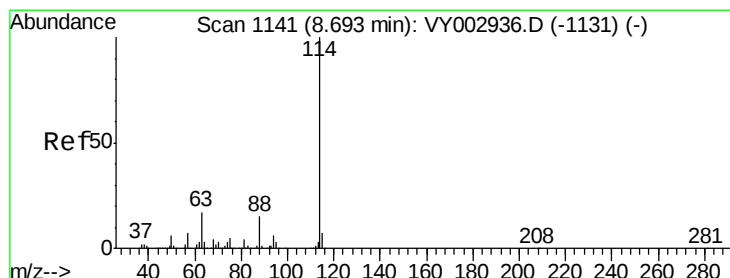
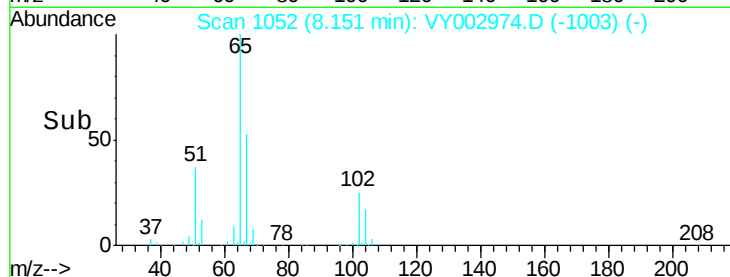
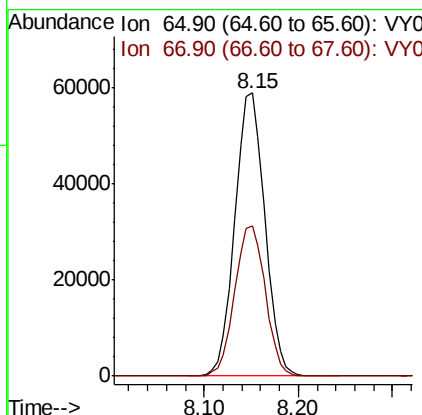
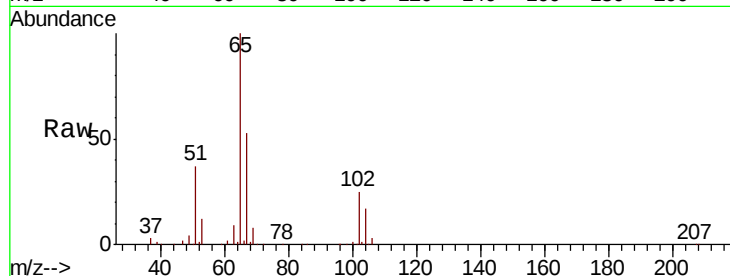




#33  
 1,2-Dichloroethane-d4  
 Concen: 59.409 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: VY002974.D  
 Acq: 22 Jun 2020 15:22

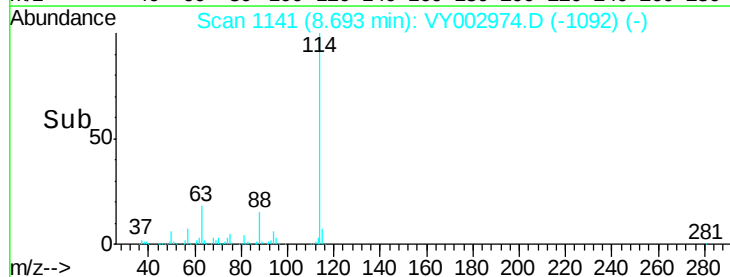
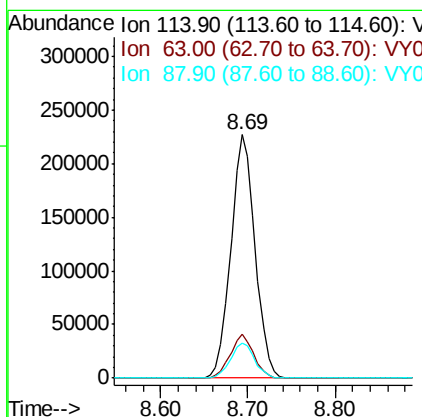
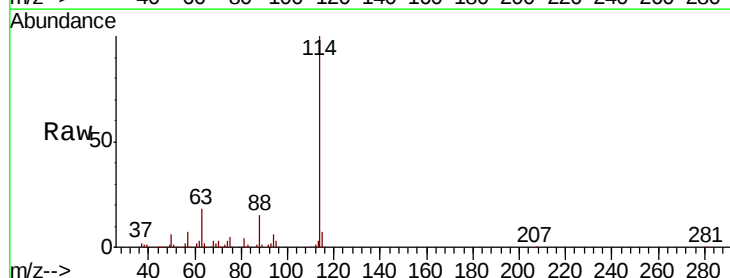
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MW-25(19-21)

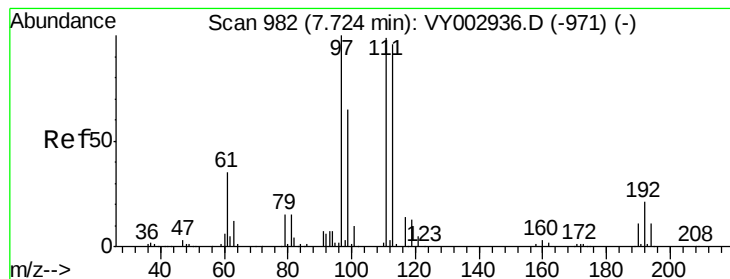
Tot Ion: 65 Resp: 130108  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY002974.D  
 Acq: 22 Jun 2020 15:22

Tgt Ion: 114 Resp: 434807  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 34.6  
 88 14.6 0.0 29.2





#35

Dibromofluoromethane

Concen: 54.635 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002974.D

Acq: 22 Jun 2020 15:22

Instrument :

MSVOA\_Y

ClientSampleId :

MW-25(19-21)

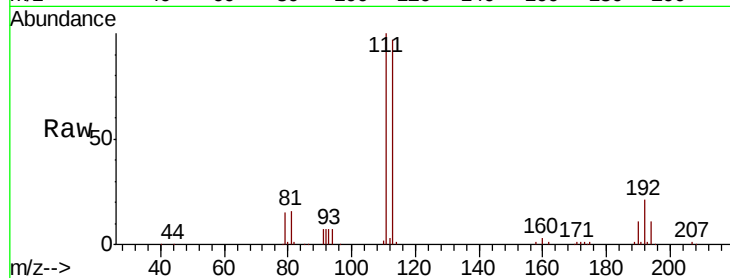
Tot Ion:113 Resp: 134415

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

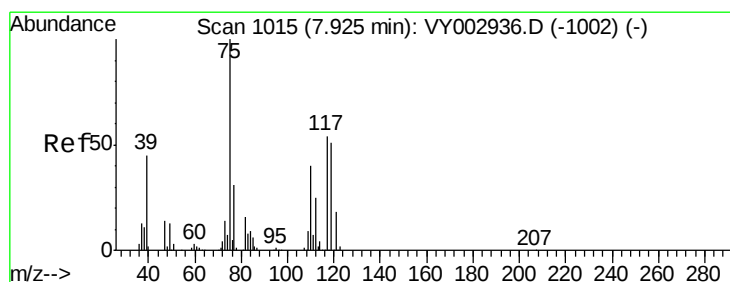
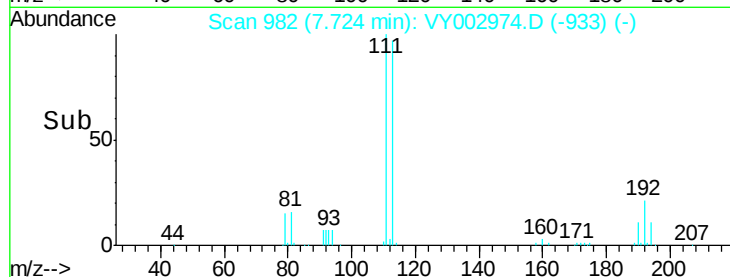
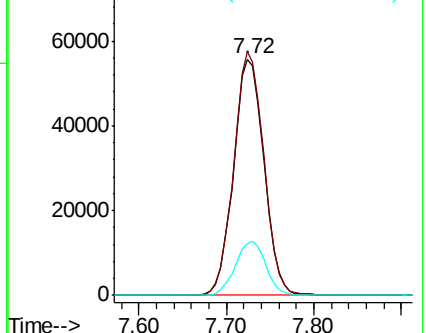
192 22.8 19.2 28.8



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



#36

1,1-Dichloropropene

Concen: 4.495 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002974.D

Acq: 22 Jun 2020 15:22

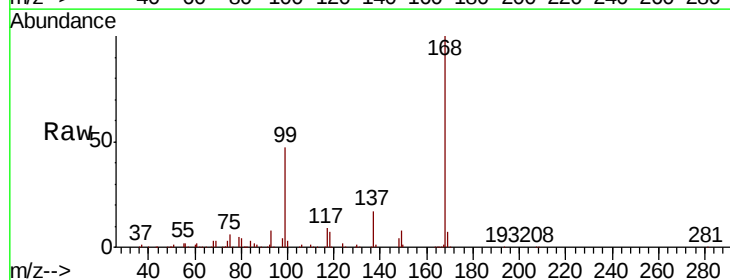
Tgt Ion: 75 Resp: 15873

Ion Ratio Lower Upper

75 100

110 10.9 19.7 59.0#

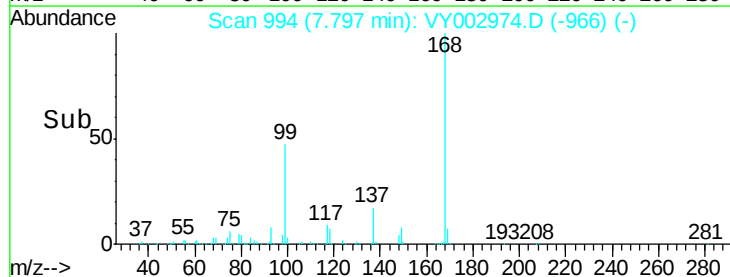
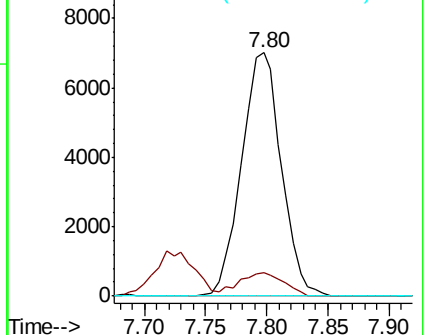
77 0.0 25.0 37.4#

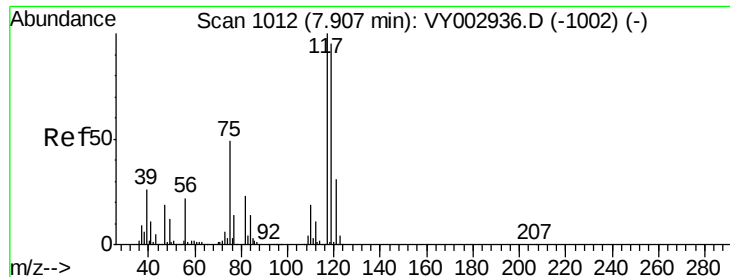


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.004 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002974.D

Acq: 22 Jun 2020 15:22

Instrument :

MSVOA\_Y

ClientSampled :

MW-25(19-21)

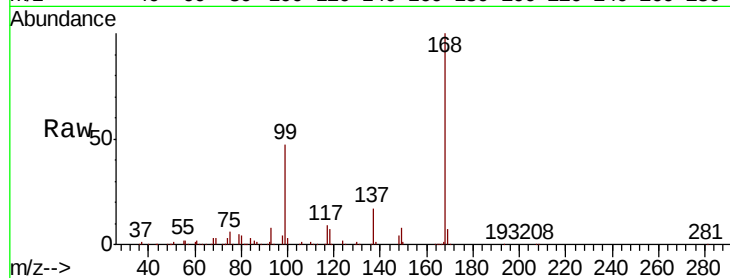
Tot Ion:117 Resp: 23367

Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

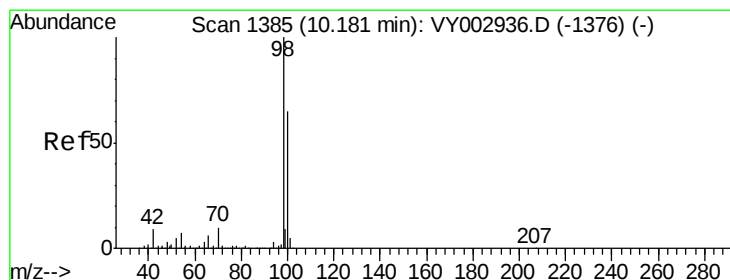
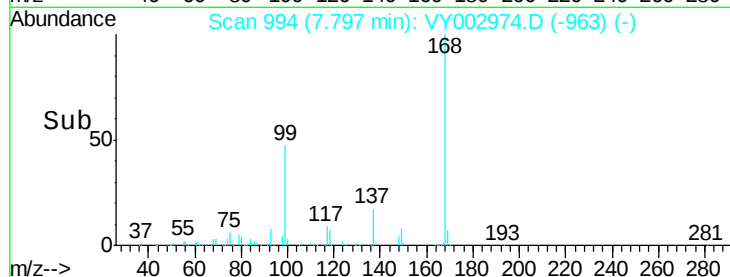
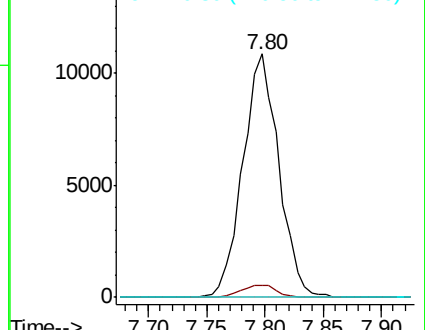
121 0.0 24.8 37.2#



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: 52.074 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002974.D

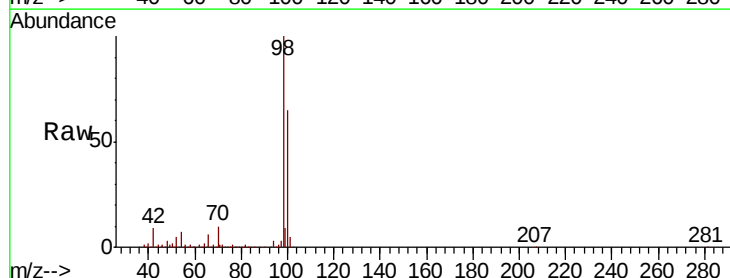
Acq: 22 Jun 2020 15:22

Tgt Ion: 98 Resp: 505148

Ion Ratio Lower Upper

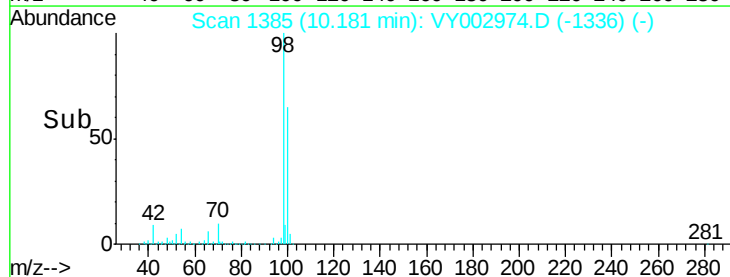
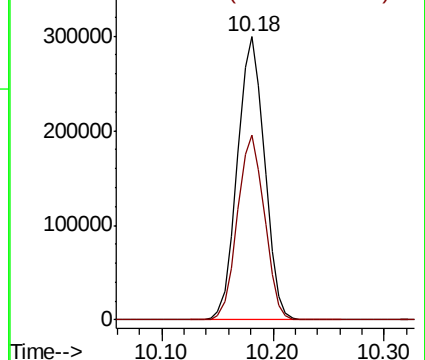
98 100

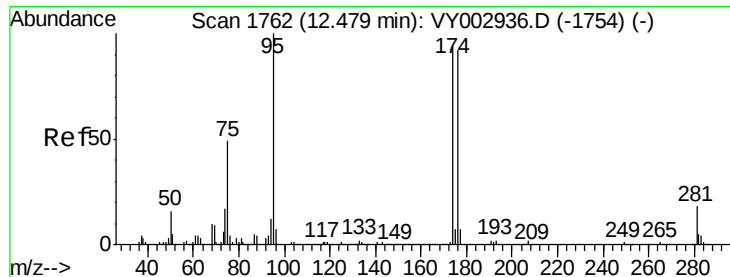
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 52.786 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002974.D

Acq: 22 Jun 2020 15:22

Instrument :

MSVOA\_Y

ClientSampleId :

MW-25(19-21)

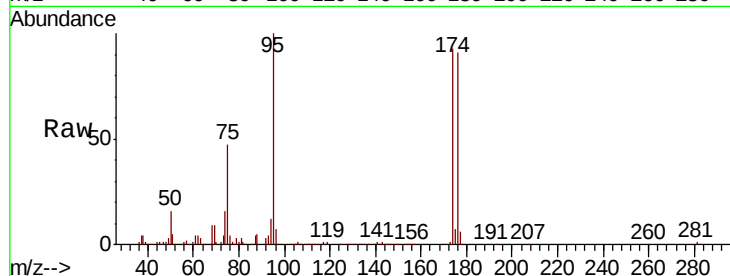
Tot Ion: 95 Resp: 177621

Ion Ratio Lower Upper

95 100

174 94.6 0.0 191.2

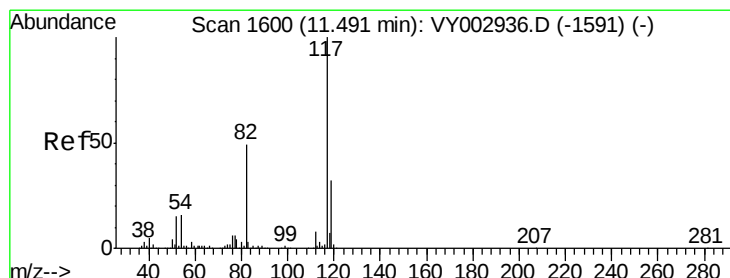
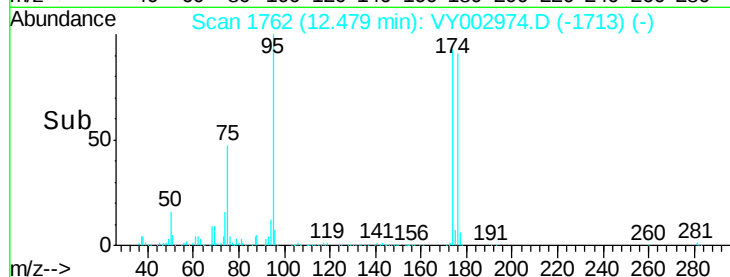
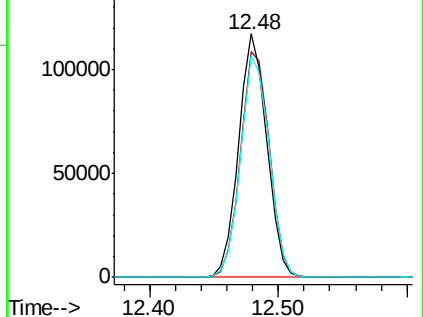
176 92.2 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY002974.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002974.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002974.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002974.D

Acq: 22 Jun 2020 15:22

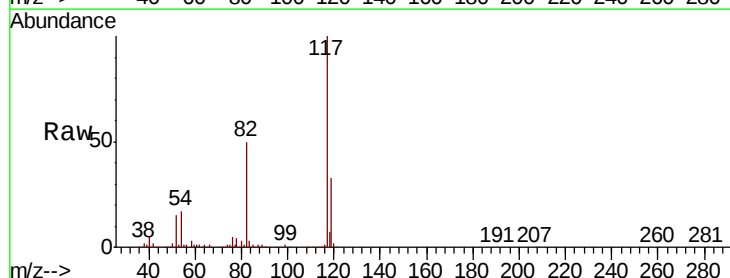
Tgt Ion: 117 Resp: 407139

Ion Ratio Lower Upper

117 100

82 50.4 39.4 59.0

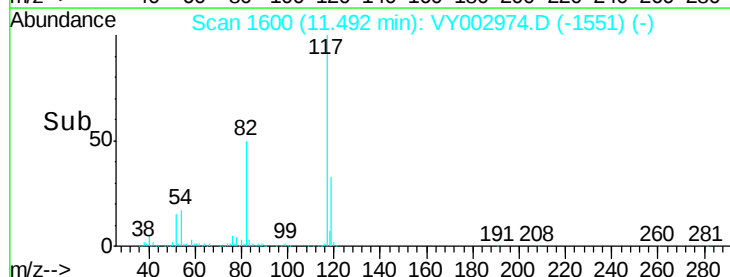
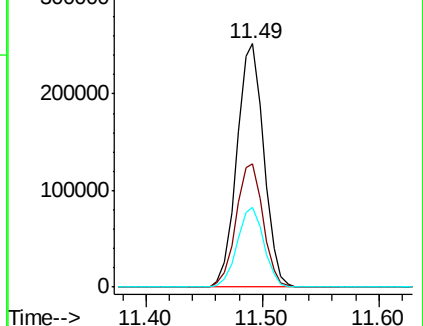
119 32.8 25.4 38.0

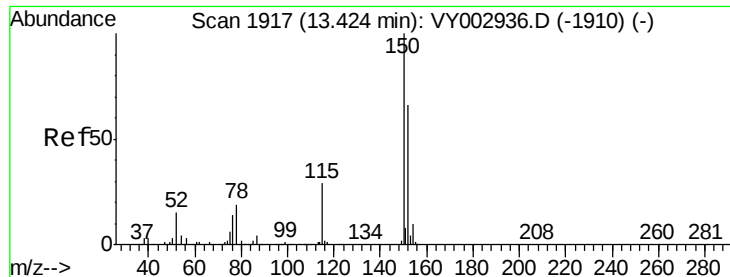


Abundance Ion 116.90 (116.60 to 117.60): VY002974.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002974.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002974.D (-1551) (-)



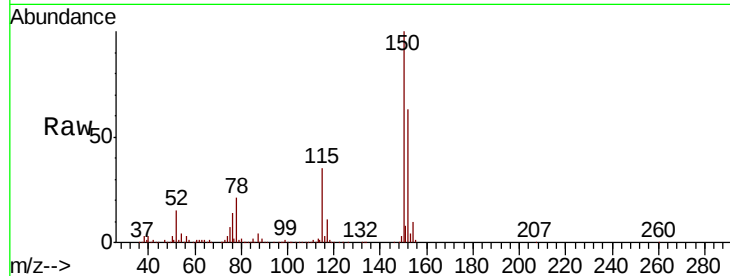


#72

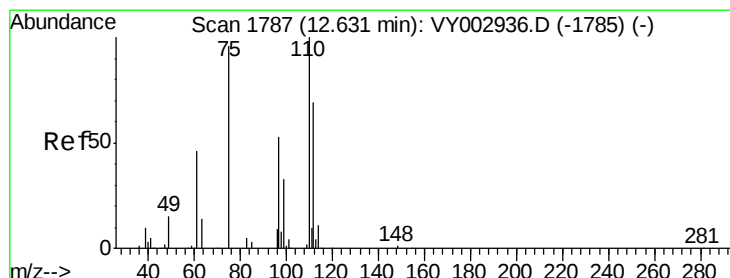
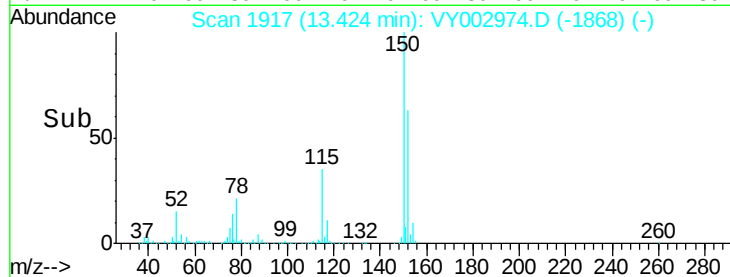
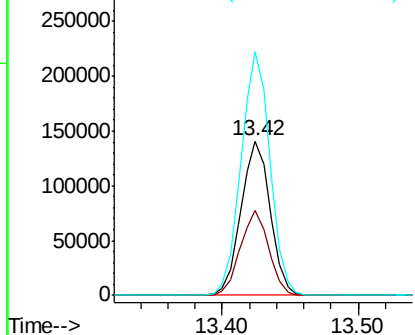
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY002974.D  
Acq: 22 Jun 2020 15:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MW-25(19-21)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.8  | 26.9  | 80.6  |
| 150     | 156.6 | 0.0   | 341.8 |



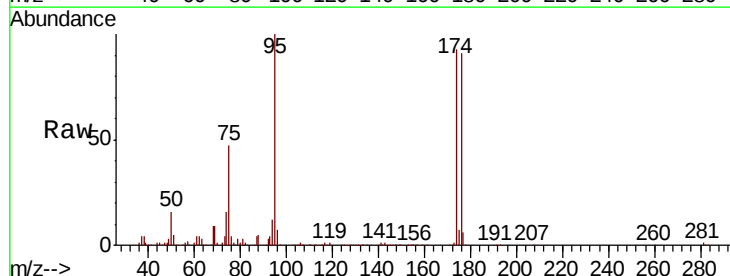
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



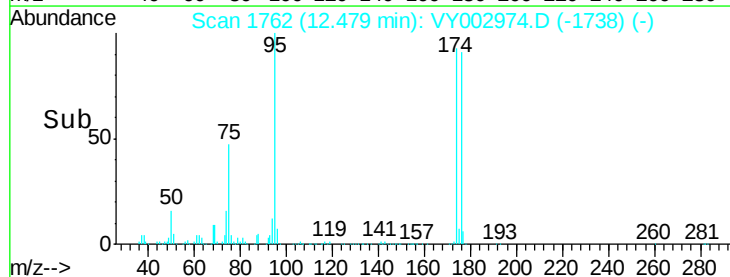
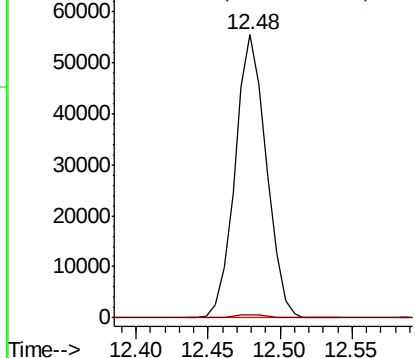
#76

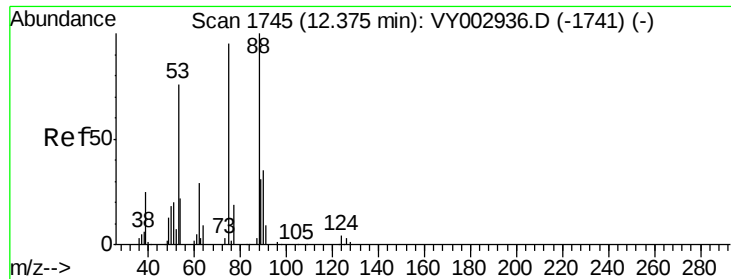
1,2,3-Trichloropropane  
Concen: 45.532 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.15 min  
Lab File: VY002974.D  
Acq: 22 Jun 2020 15:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 1.2   | 0.0   | 0.0#  |



Abundance Ion 74.90 (74.60 to 75.60): VY0  
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 86.930 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002974.D

Acq: 22 Jun 2020 15:22

Instrument :

MSVOA\_Y

ClientSampleId :

MW-25(19-21)

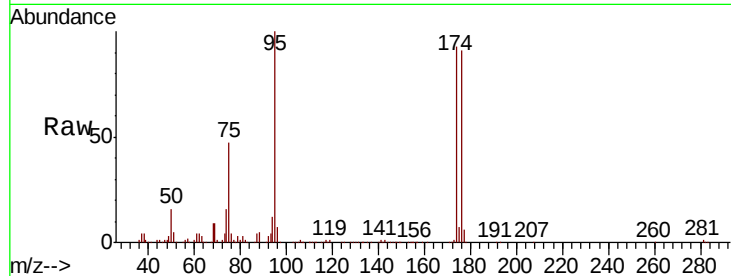
Tot Ion: 75 Resp: 83446

Ion Ratio Lower Upper

75 100

53 0.0 65.1 97.7#

89 0.0 38.4 57.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

