

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\  
 Data File : VY002580.D  
 Acq On : 05 May 2020 12:53  
 Operator : SY/MD  
 Sample : L2447-22DL 2X  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PT-VOA-SOILDL

Quant Time: May 06 06:48:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 04 12:22:08 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 420529   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 626992   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 564663   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 287936   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 8.15   | 65  | 188067   | 53.19 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.38% |       |
| 35) Dibromofluoromethane  | 7.73   | 113 | 198550   | 55.37 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.74% |       |
| 50) Toluene-d8            | 10.18  | 98  | 762567   | 54.46 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.92% |       |
| 62) 4-Bromofluorobenzene  | 12.49  | 95  | 258127   | 54.32 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.64% |       |

## Target Compounds

|                                |       |     |         |         |        | Qvalue |
|--------------------------------|-------|-----|---------|---------|--------|--------|
| 16) Acetone                    | 3.96  | 43  | 296356  | 406.118 | ug/l   | 99     |
| 20) Methylene Chloride         | 4.74  | 84  | 95929   | 23.508  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene   | 5.24  | 96  | 275720  | 69.684  | ug/l   | 98     |
| 25) 2-Butanone                 | 7.00  | 43  | 137766  | 115.332 | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene     | 7.00  | 96  | 279932  | 63.940  | ug/l   | 90     |
| 30) Chloroform                 | 7.52  | 83  | 436120  | 66.432  | ug/l   | 99     |
| 40) Benzene                    | 8.17  | 78  | 472783  | 31.143  | ug/l   | 99     |
| 42) 1,2-Dichloroethane         | 8.25  | 62  | 210140  | 49.349  | ug/l   | 99     |
| 44) Trichloroethene            | 8.94  | 130 | 326679  | 68.858  | ug/l   | 98     |
| 45) 1,2-Dichloropropane        | 9.22  | 63  | 83469   | 22.782  | ug/l   | 97     |
| 46) Dibromomethane             | 9.31  | 93  | 127195  | 60.339  | ug/l   | 99     |
| 47) Bromodichloromethane       | 9.50  | 83  | 333848  | 65.132  | ug/l   | 99     |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75  | 377845  | 60.859  | ug/l   | 99     |
| 55) 1,1,2-Trichloroethane      | 10.65 | 97  | 96269   | 31.316  | ug/l   | 98     |
| 59) 2-Hexanone                 | 10.83 | 43  | 304930  | 169.748 | ug/l   | 100    |
| 60) Dibromochloromethane       | 10.99 | 129 | 244678  | 62.580  | ug/l   | 99     |
| 61) 1,2-Dibromoethane          | 11.09 | 107 | 168835  | 55.467  | ug/l   | 100    |
| 64) Tetrachloroethene          | 10.72 | 164 | 77271   | 15.402  | ug/l   | 98     |
| 65) Chlorobenzene              | 11.52 | 112 | 719988  | 67.074  | ug/l   | 100    |
| 66) 1,1,1,2-Tetrachloroethane  | 11.60 | 131 | 153290  | 38.471  | ug/l   | 99     |
| 67) Ethyl Benzene              | 11.60 | 91  | 1506363 | 79.890  | ug/l   | 99     |
| 68) m/p-Xylenes                | 11.70 | 106 | 675417  | 92.579  | ug/l   | 99     |
| 69) o-Xylene                   | 12.03 | 106 | 661204  | 96.795  | ug/l   | 99     |
| 70) Styrene                    | 12.05 | 104 | 677644  | 58.029  | ug/l   | 94     |
| 71) Bromoform                  | 12.21 | 173 | 119613  | 48.365  | ug/l # | 99     |
| 73) Isopropylbenzene           | 12.33 | 105 | 1579400 | 84.636  | ug/l   | 100    |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75  | 45542   | 17.798  | ug/l # | 100    |
| 84) 1,2,4-Trimethylbenzene     | 13.13 | 105 | 1232337 | 79.938  | ug/l   | 100    |
| 85) sec-Butylbenzene           | 13.26 | 105 | 1414250 | 75.144  | ug/l   | 99     |
| 87) 1,3-Dichlorobenzene        | 13.37 | 146 | 783976  | 88.845  | ug/l   | 100    |
| 91) 1,2-Dichlorobenzene        | 13.75 | 146 | 695515  | 88.333  | ug/l   | 100    |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75  | 38937   | 70.383  | ug/l   | 99     |
| 95) Naphthalene                | 15.24 | 128 | 836074  | 80.174  | ug/l   | 100    |

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Sample : L2447-22DL 2X  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOILDL

Quant Time: May 06 06:48:25 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260  
QLast Update : Mon May 04 12:22:08 2020  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

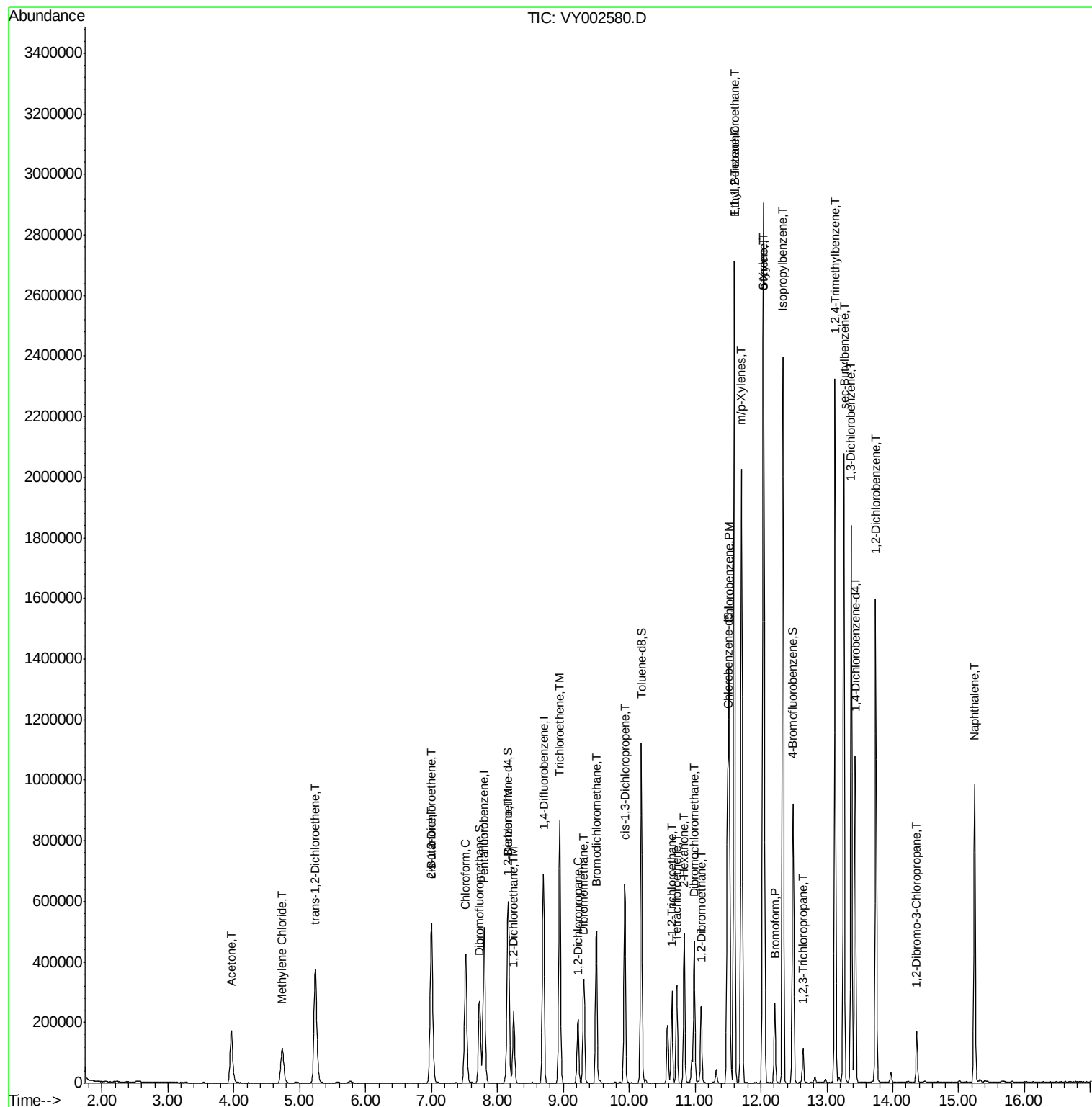
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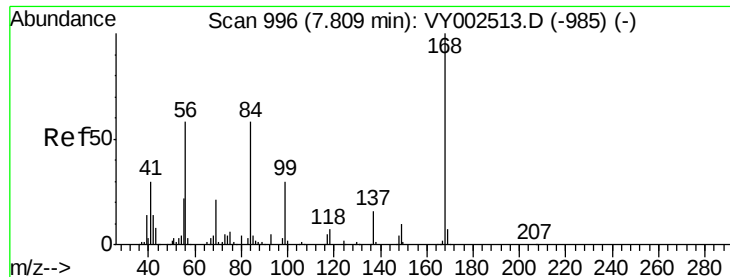
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

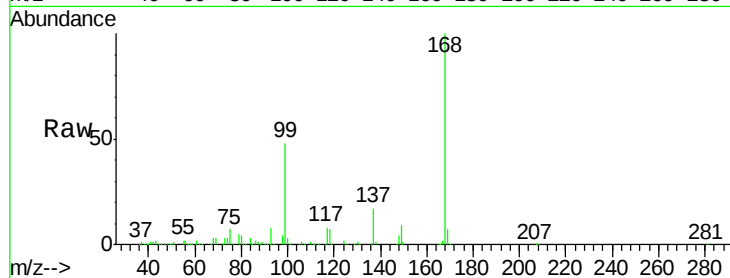
PT-VOA-SOILDL

Tot Ion:168 Resp: 420529

Ion Ratio Lower Upper

168 100

99 47.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

200000

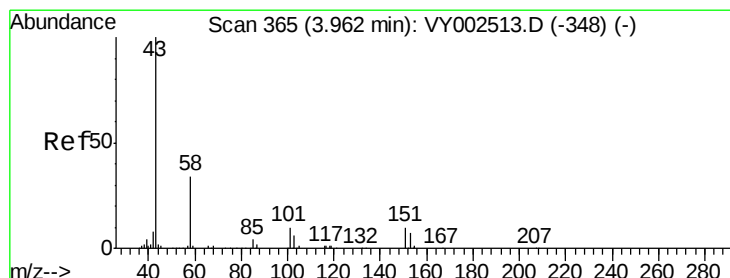
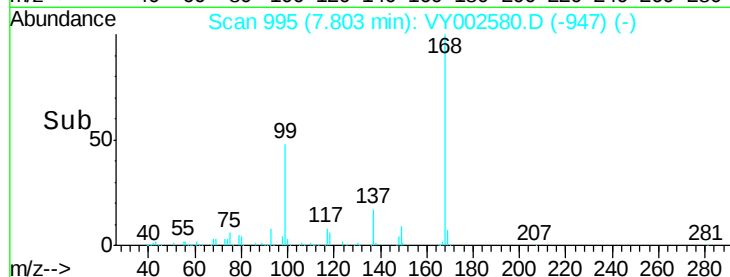
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 406.118 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY002580.D

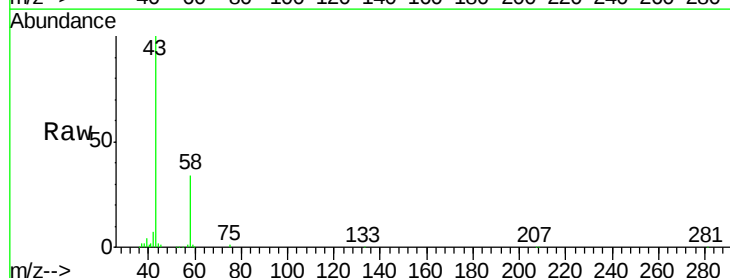
Acq: 05 May 2020 12:53

Tgt Ion: 43 Resp: 296356

Ion Ratio Lower Upper

43 100

58 34.0 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-348) (-)

3.96

120000

100000

80000

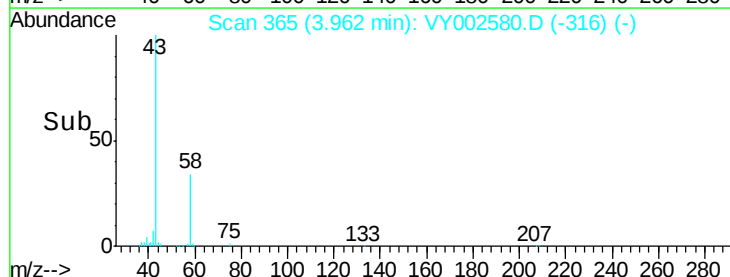
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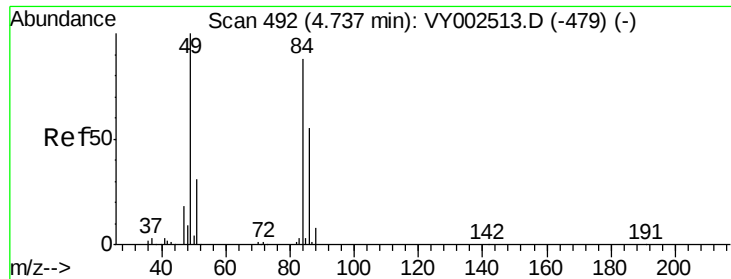
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20000

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Time-->

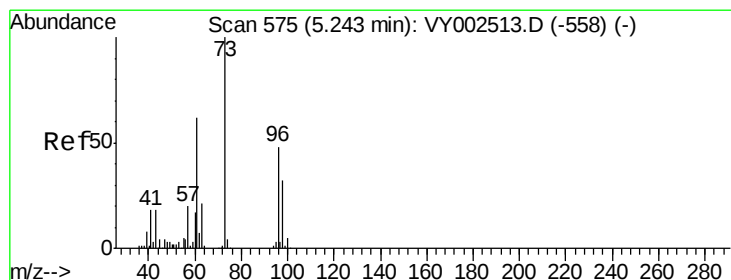
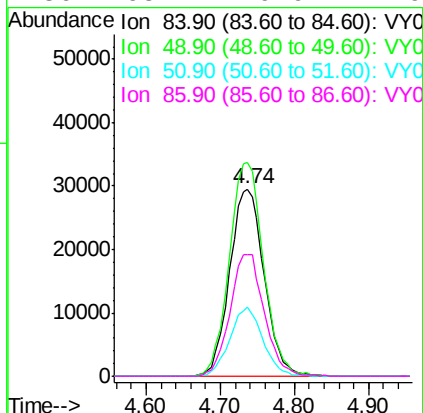
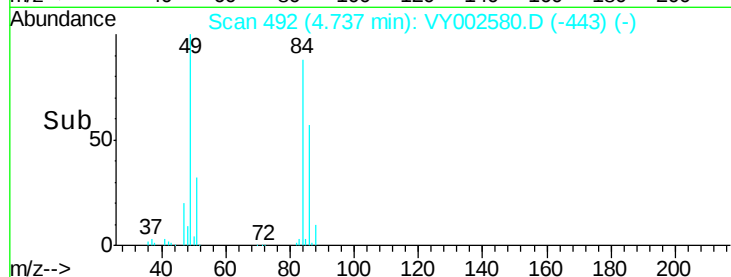
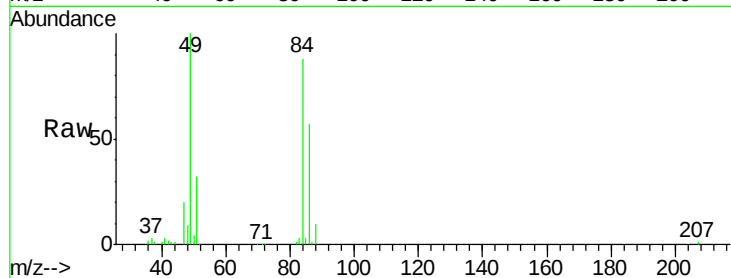




#20  
Methvlene Chloride  
Concen: 23.508 ug/l  
RT: 4.74 min Scan# 492  
Delta R.T. -0.00 min  
Lab File: VY002580.D  
Acq: 05 May 2020 12:53

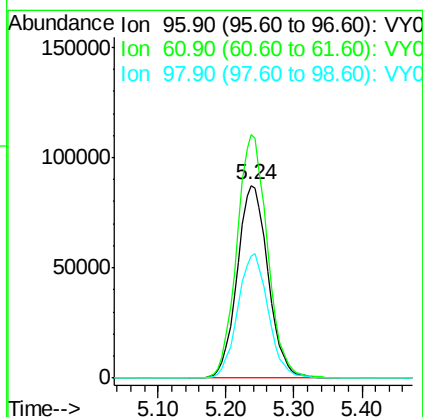
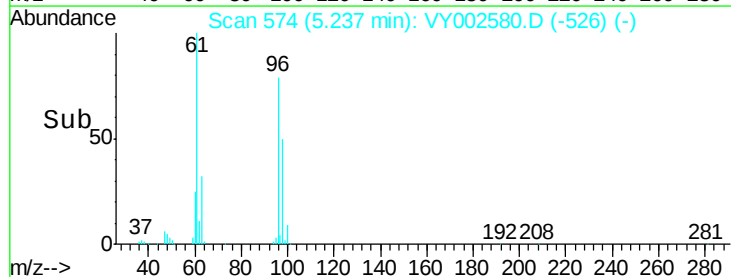
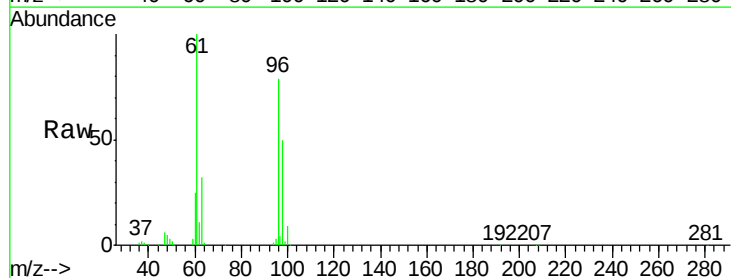
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOILDL

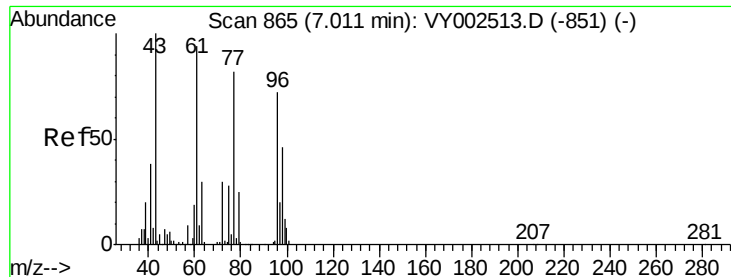
Tot Ion: 84 Resp: 95929  
Ion Ratio Lower Upper  
84 100  
49 114.0 90.5 135.7  
51 36.8 28.3 42.5  
86 65.2 49.9 74.9



#21  
trans-1,2-Dichloroethene  
Concen: 69.684 ug/l  
RT: 5.24 min Scan# 574  
Delta R.T. -0.01 min  
Lab File: VY002580.D  
Acq: 05 May 2020 12:53

Tgt Ion: 96 Resp: 275720  
Ion Ratio Lower Upper  
96 100  
61 126.5 102.0 153.0  
98 63.5 53.0 79.4





#25

2-Butanone

Concen: 115.332 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

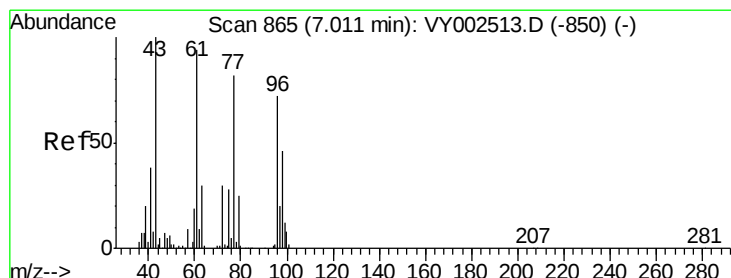
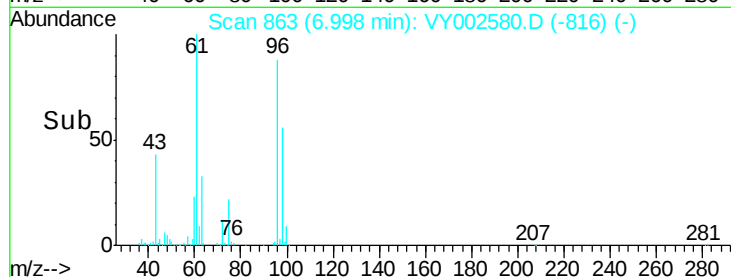
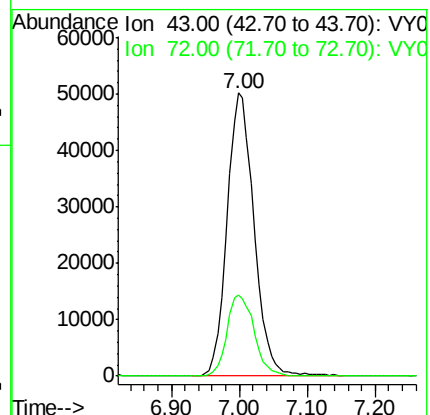
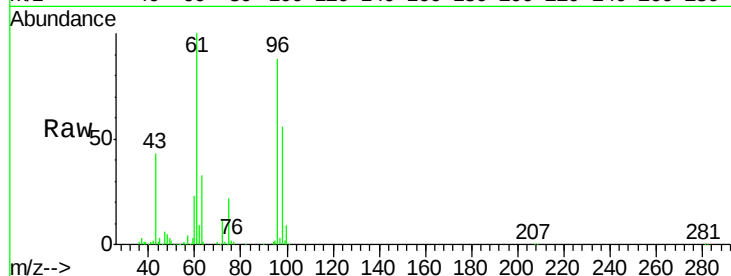
PT-VOA-SOILD

Tot Ion: 43 Resp: 137766

Ion Ratio Lower Upper

43 100

72 28.6 24.1 36.1



#27

cis-1,2-Dichloroethene

Concen: 63.940 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

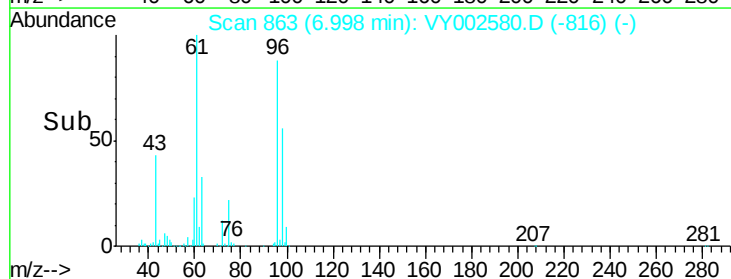
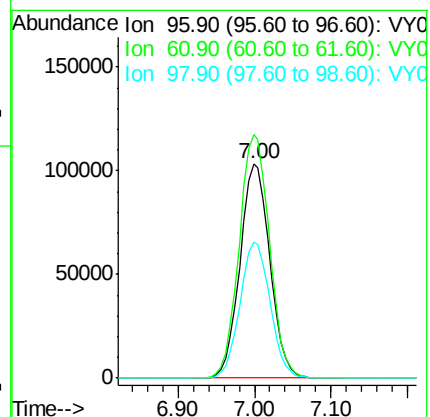
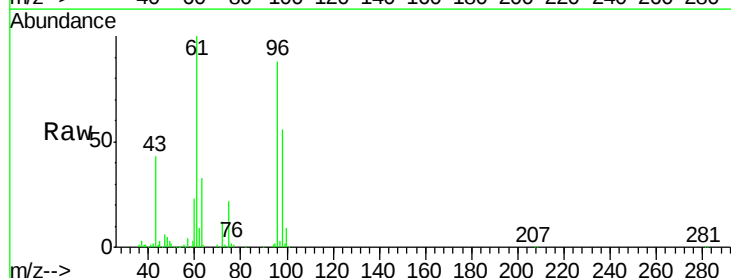
Tgt Ion: 96 Resp: 279932

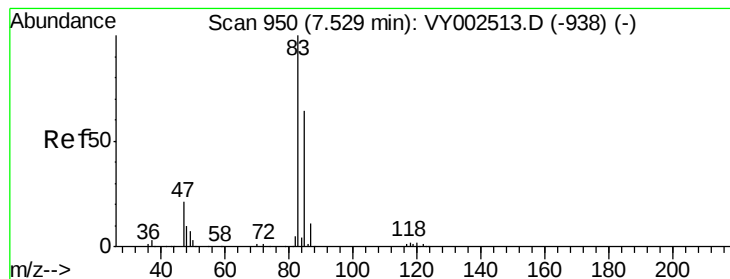
Ion Ratio Lower Upper

96 100

61 115.4 0.0 266.6

98 64.0 0.0 129.2





#30

Chloroform

Concen: 66.432 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

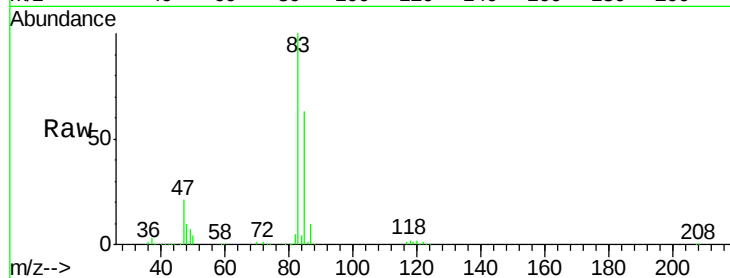
PT-VOA-SOILDL

Tot Ion: 83 Resp: 436120

Ion Ratio Lower Upper

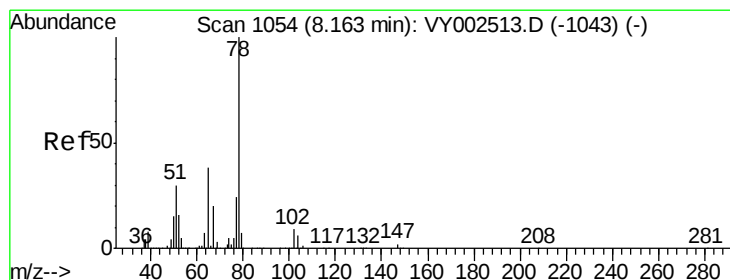
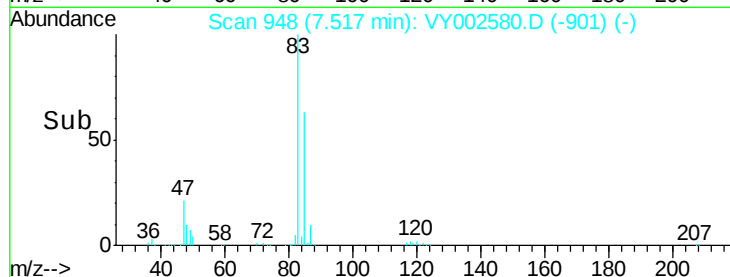
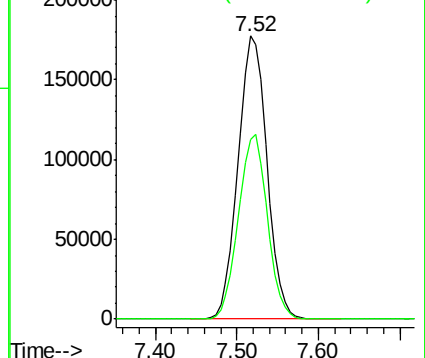
83 100

85 63.4 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 53.188 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002580.D

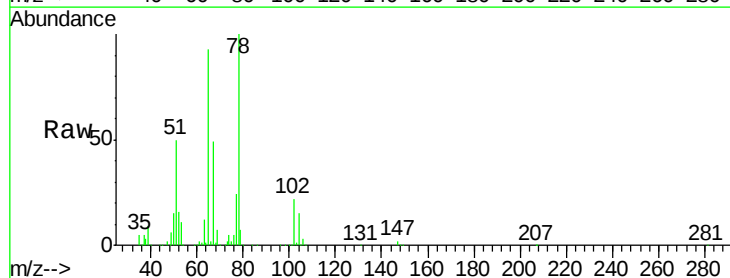
Acq: 05 May 2020 12:53

Tgt Ion: 65 Resp: 188067

Ion Ratio Lower Upper

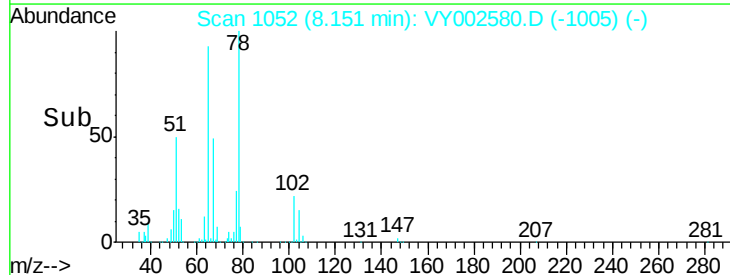
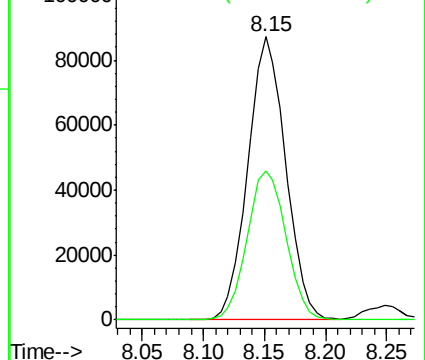
65 100

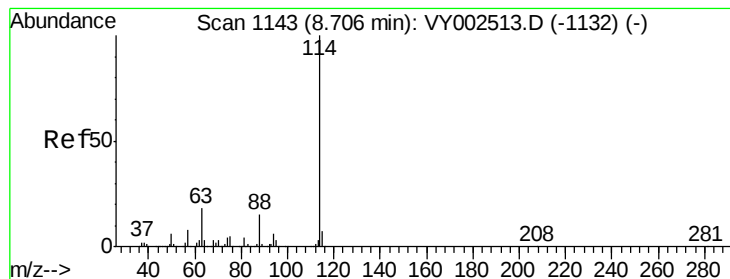
67 54.2 0.0 107.2



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: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

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ClientSampleId :

PT-VOA-SOILD

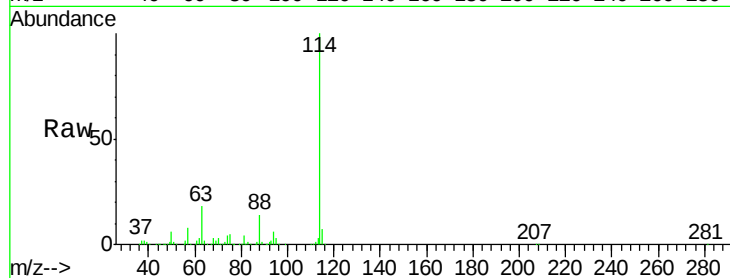
Tot Ion:114 Resp: 626992

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.4

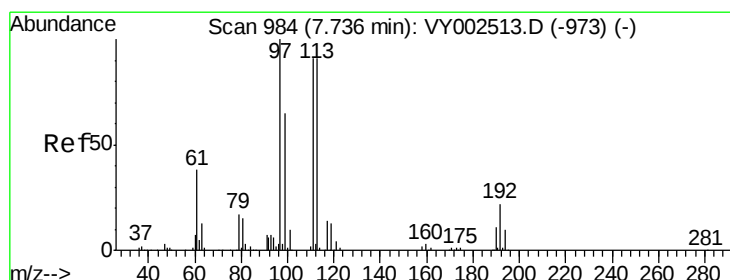
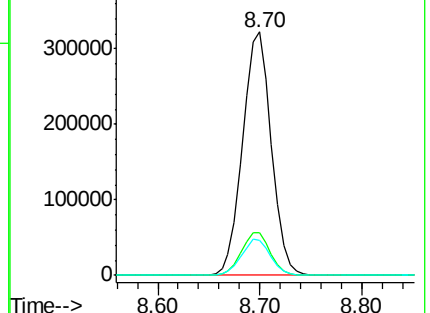
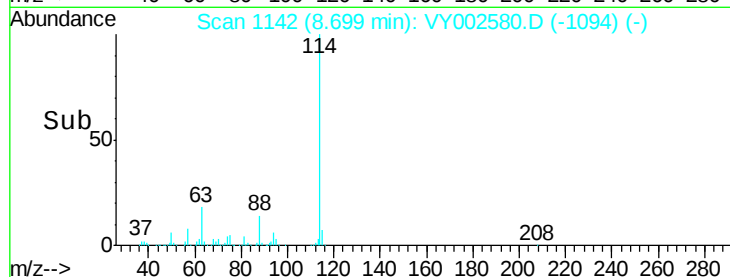
88 14.2 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 55.371 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

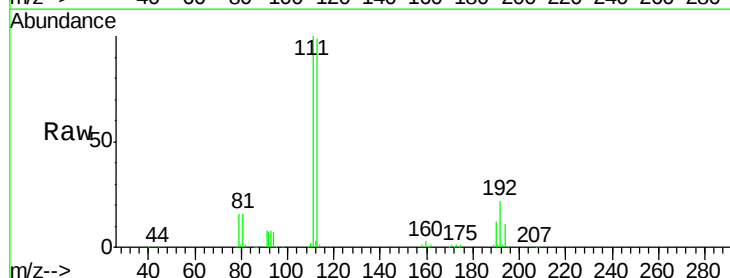
Tgt Ion:113 Resp: 198550

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

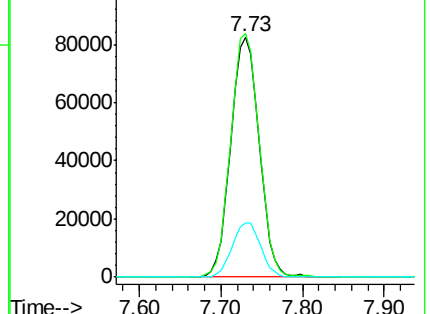
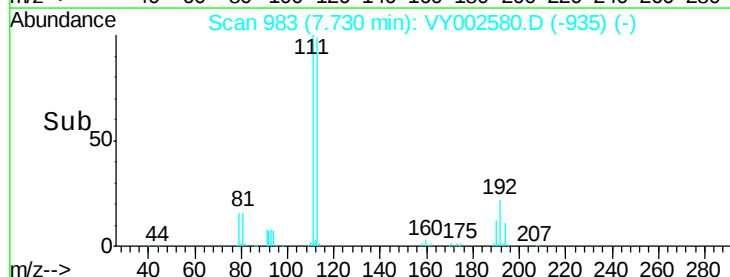
192 22.6 18.2 27.4

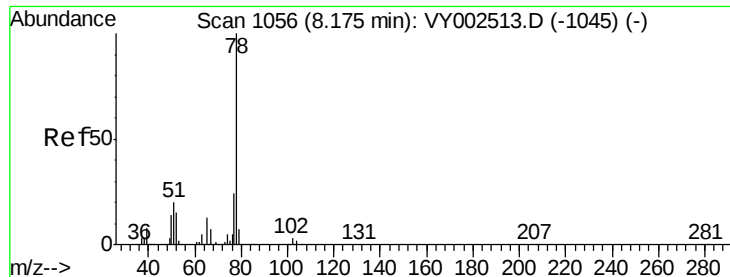


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 31.143 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.01 min

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Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

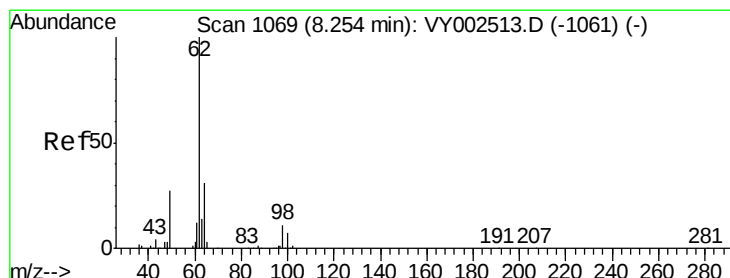
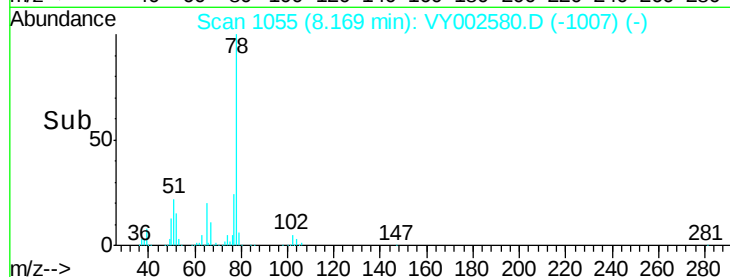
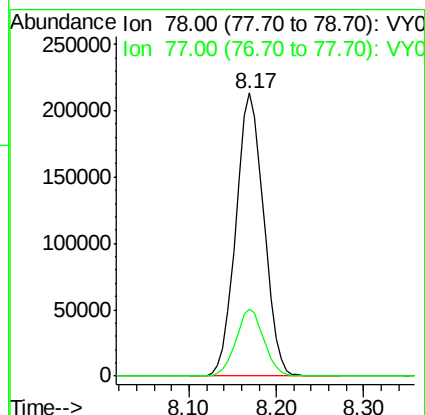
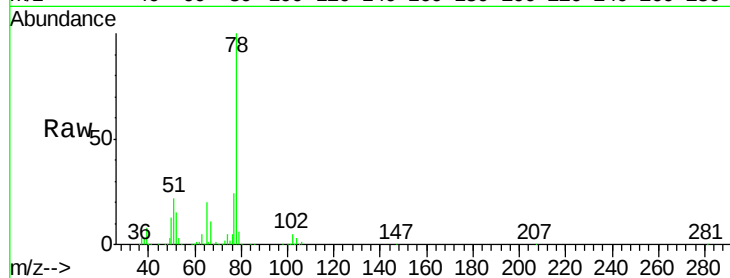
PT-VOA-SOILDL

Tot Ion: 78 Resp: 472783

Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8



#42

1,2-Dichloroethane

Concen: 49.349 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY002580.D

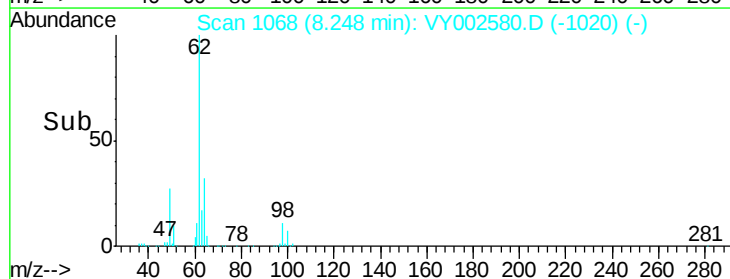
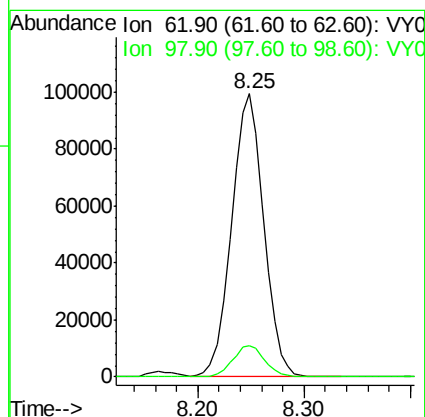
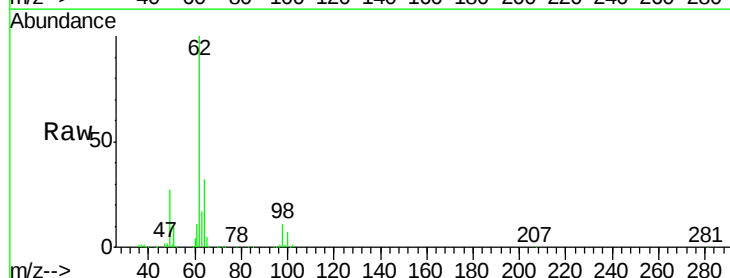
Acq: 05 May 2020 12:53

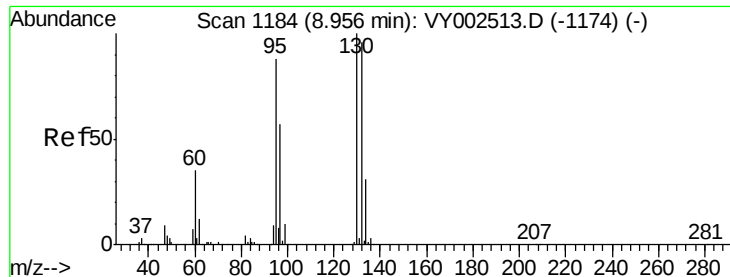
Tgt Ion: 62 Resp: 210140

Ion Ratio Lower Upper

62 100

98 11.0 0.0 21.0





#44

Trichloroethene

Concen: 68.858 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

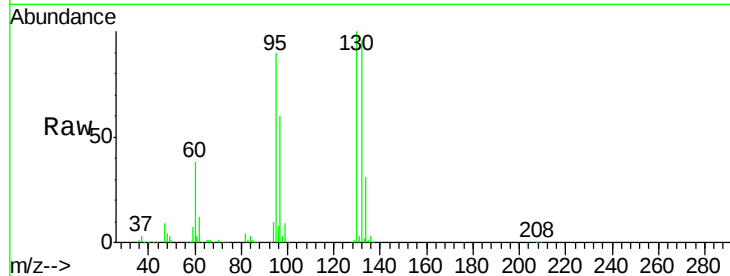
PT-VOA-SOILD

Tot Ion:130 Resp: 326679

Ion Ratio Lower Upper

130 100

95 90.2 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002513.D (-1174) (-)

Ion 94.90 (94.60 to 95.60): VY002513.D (-1174) (-)

8.94

150000

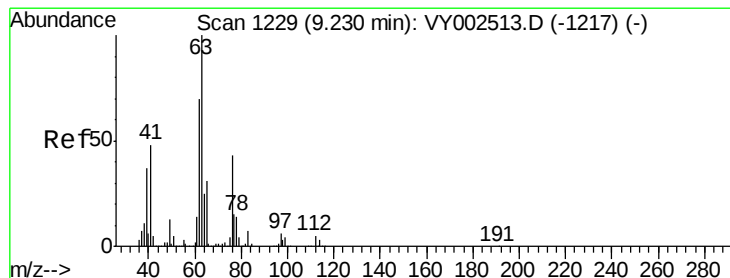
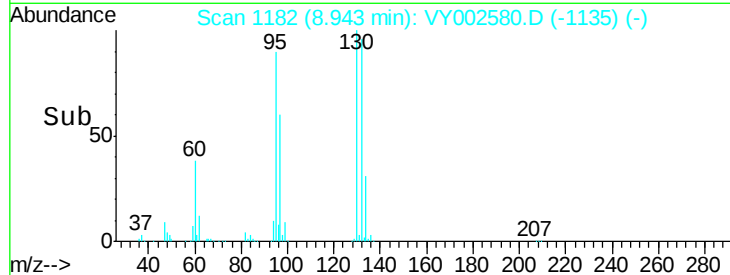
100000

50000

0

8.90 8.94 9.00

Time-->



#45

1,2-Dichloropropane

Concen: 22.782 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY002580.D

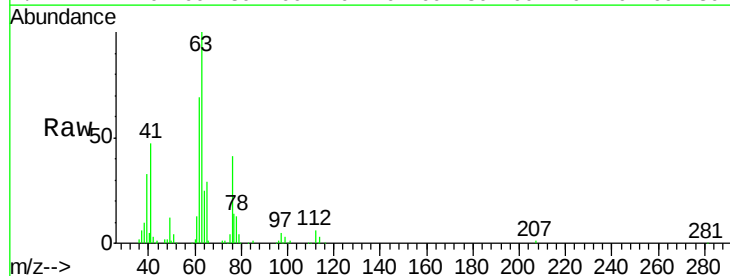
Acq: 05 May 2020 12:53

Tgt Ion: 63 Resp: 83469

Ion Ratio Lower Upper

63 100

65 28.9 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VY002513.D (-1217) (-)

Ion 64.90 (64.60 to 65.60): VY002513.D (-1217) (-)

9.22

50000

40000

30000

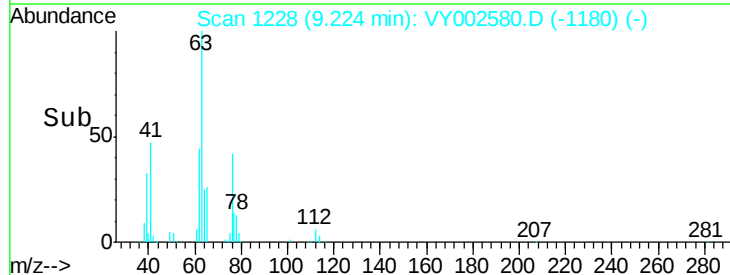
20000

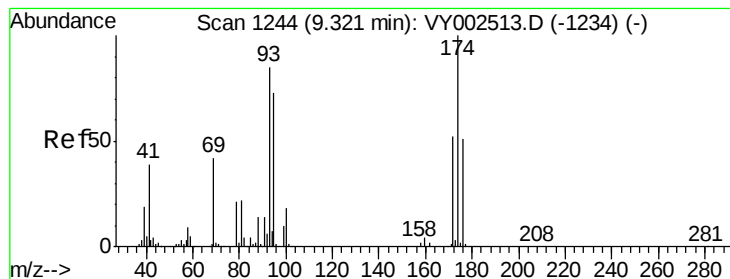
10000

0

9.10 9.15 9.20 9.22 9.25 9.30

Time-->





#46

Dibromomethane

Concen: 60.339 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

PT-VOA-SOILDL

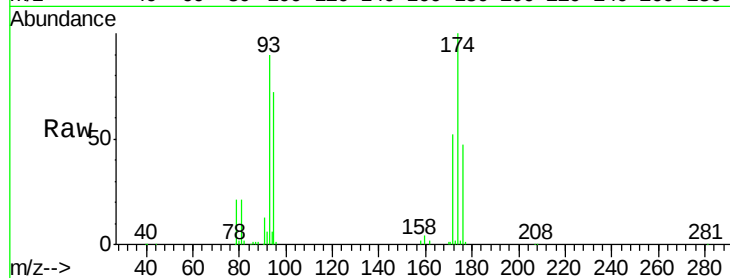
Tot Ion: 93 Resp: 127195

Ion Ratio Lower Upper

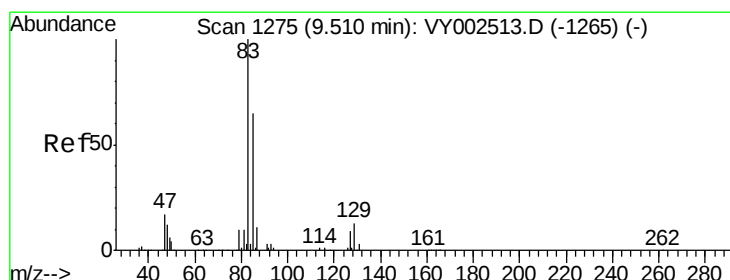
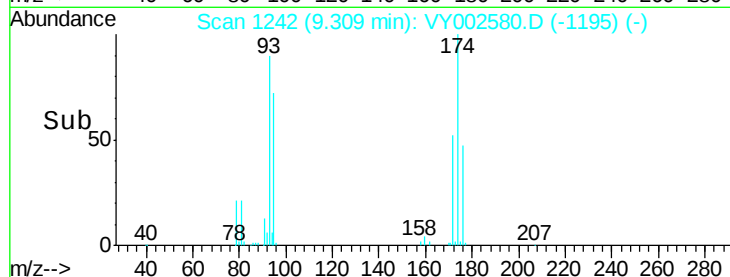
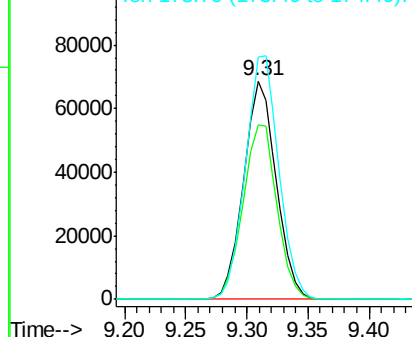
93 100

95 83.2 67.0 100.4

174 114.8 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VY0  
Ion 94.80 (94.50 to 95.50): VY0  
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 65.132 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

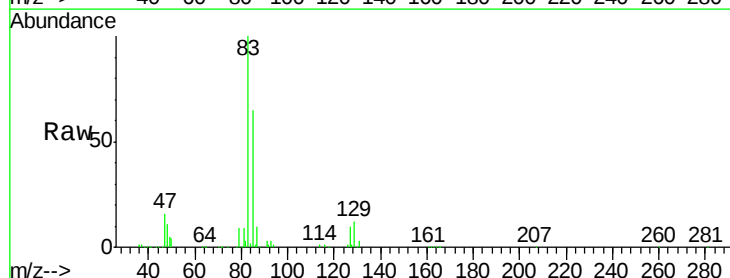
Tgt Ion: 83 Resp: 333848

Ion Ratio Lower Upper

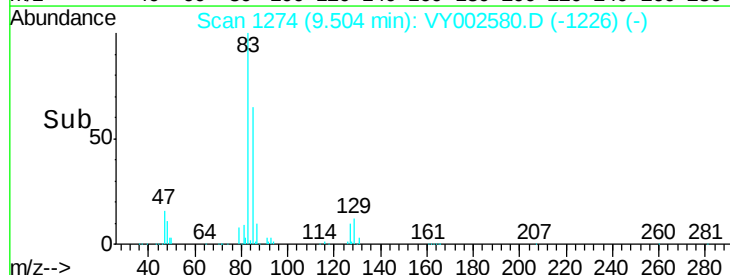
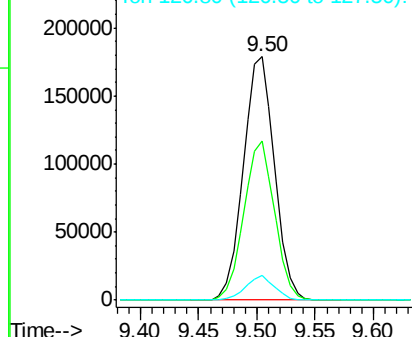
83 100

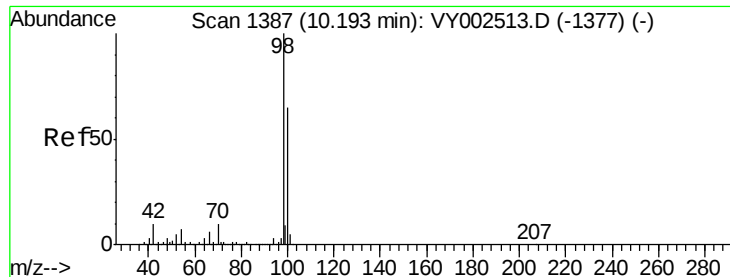
85 65.2 51.8 77.8

127 10.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VY0  
Ion 84.90 (84.60 to 85.60): VY0  
Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 54.457 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

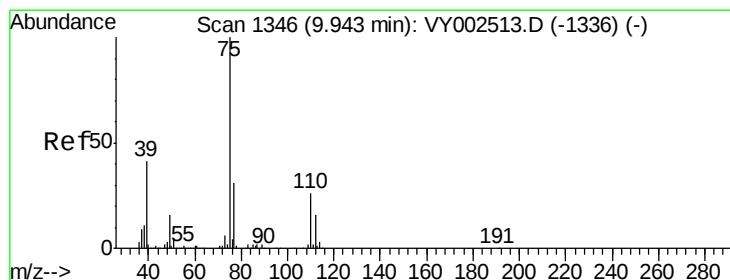
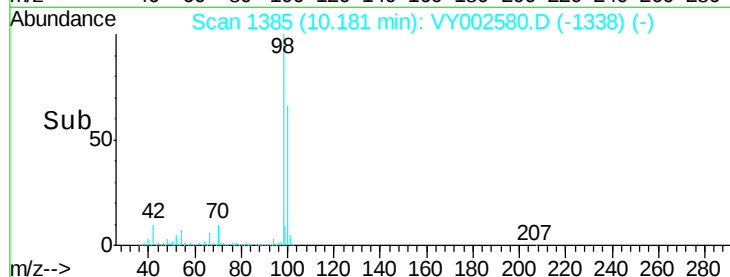
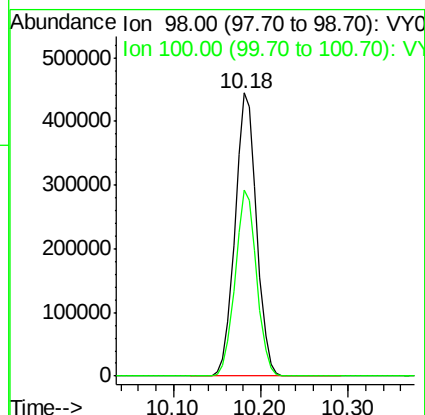
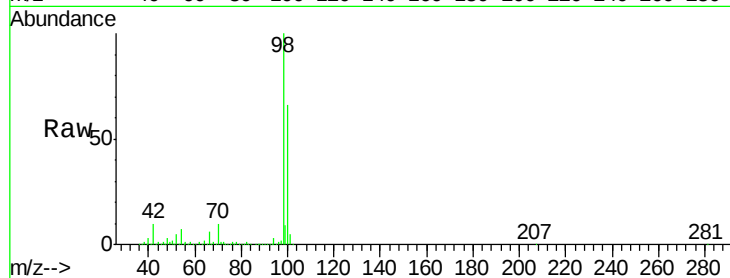
PT-VOA-SOILDL

Tot Ion: 98 Resp: 762567

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2



#54

cis-1,3-Dichloropropene

Concen: 60.859 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

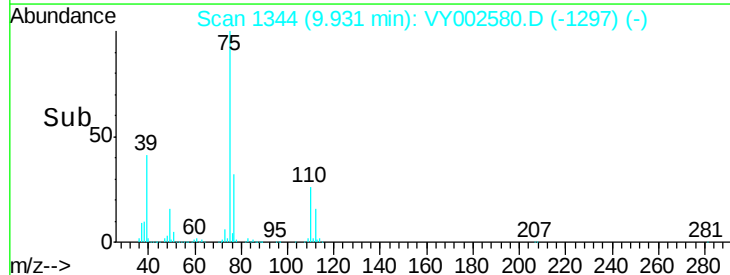
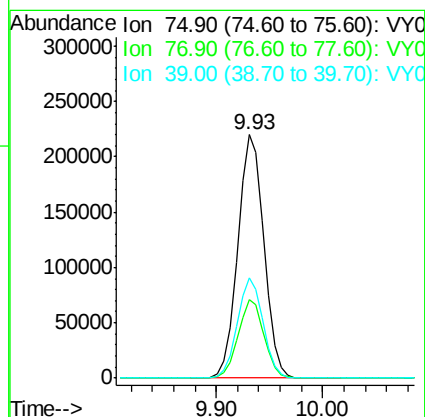
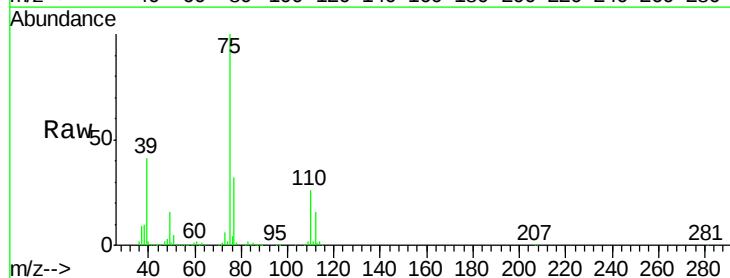
Tgt Ion: 75 Resp: 377845

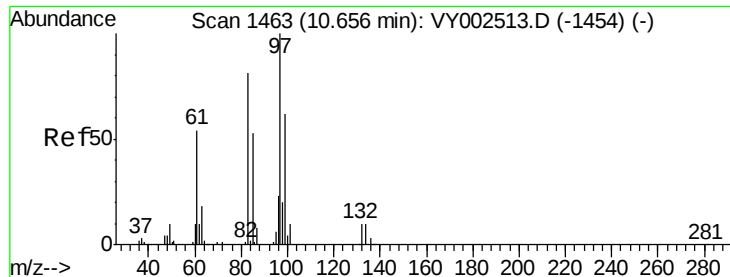
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 41.0 32.7 49.1

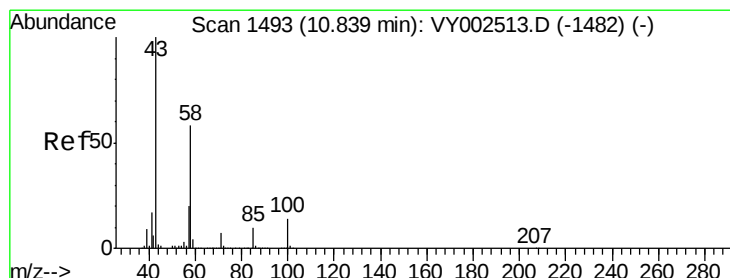
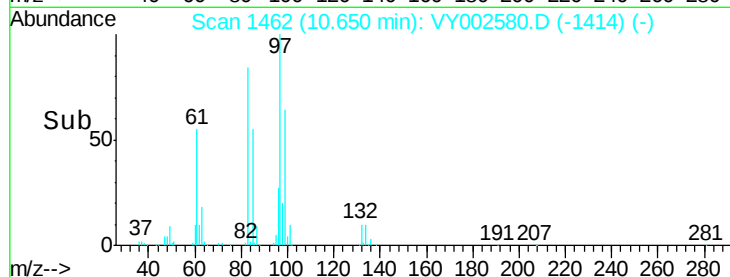
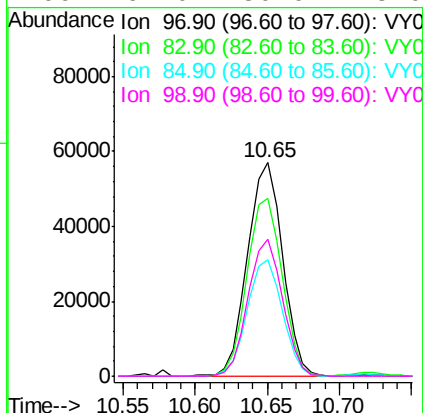
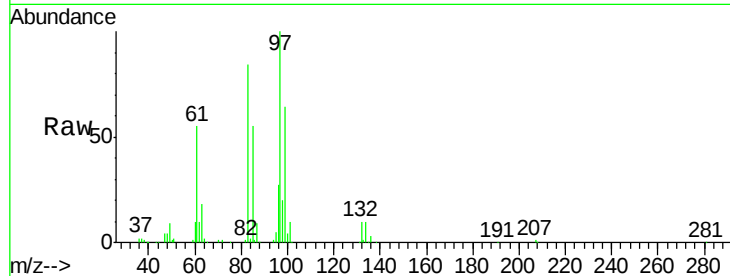




#55  
 1,1,2-Trichloroethane  
 Concen: 31.316 ug/l  
 RT: 10.65 min Scan# 1462  
 Delta R.T. -0.01 min  
 Lab File: VY002580.D  
 Acq: 05 May 2020 12:53

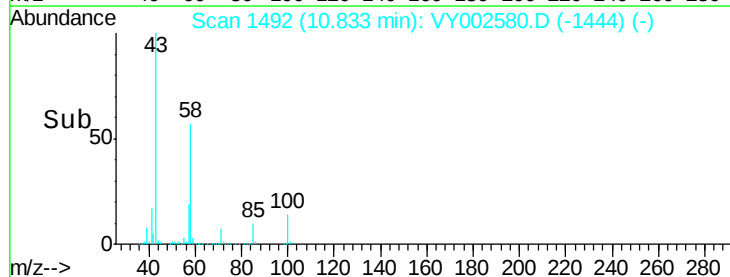
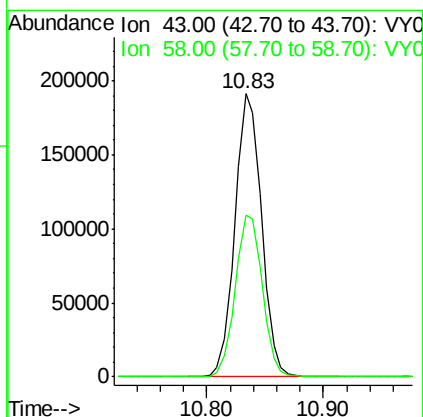
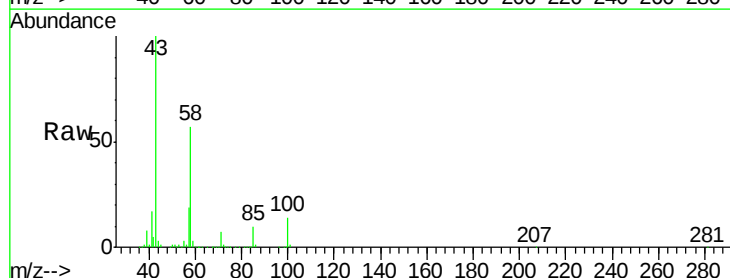
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PT-VOA-SOILDL

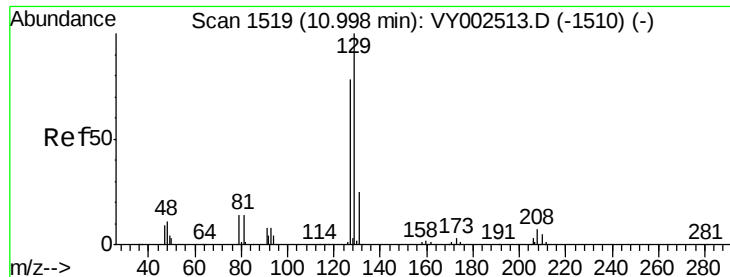
Tot Ion: 97 Resp: 96269  
 Ion Ratio Lower Upper  
 97 100  
 83 83.6 65.1 97.7  
 85 54.5 42.7 64.1  
 99 64.0 50.0 75.0



#59  
 2-Hexanone  
 Concen: 169.748 ug/l  
 RT: 10.83 min Scan# 1492  
 Delta R.T. -0.01 min  
 Lab File: VY002580.D  
 Acq: 05 May 2020 12:53

Tgt Ion: 43 Resp: 304930  
 Ion Ratio Lower Upper  
 43 100  
 58 58.4 29.1 87.3





#60

Dibromochloromethane

Concen: 62.580 ug/l

RT: 10.99 min Scan# 1517

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

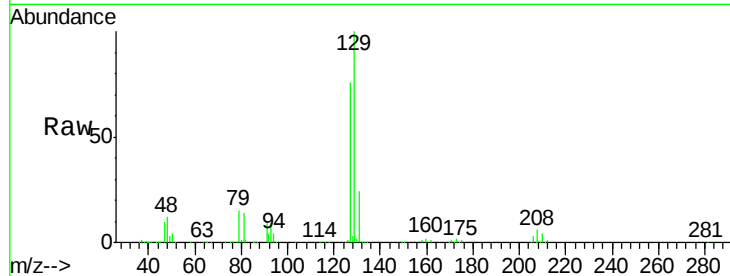
PT-VOA-SOILD

Tot Ion:129 Resp: 244678

Ion Ratio Lower Upper

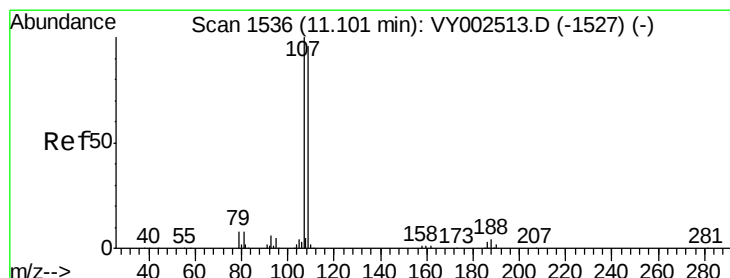
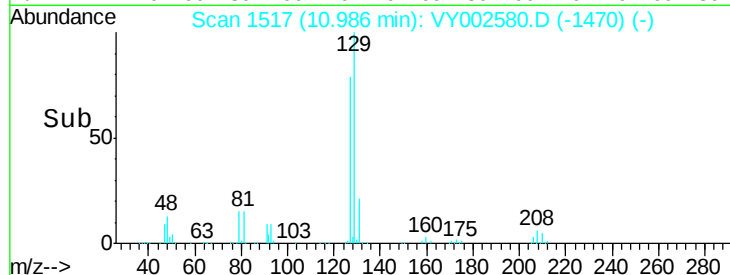
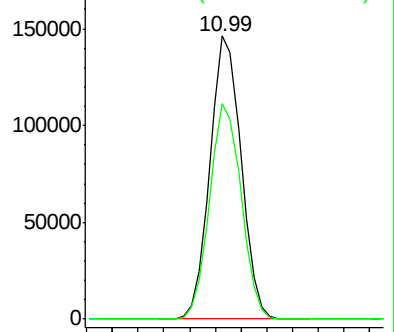
129 100

127 77.0 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 55.467 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VY002580.D

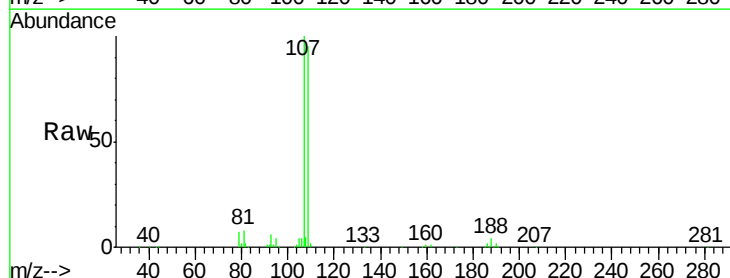
Acq: 05 May 2020 12:53

Tgt Ion:107 Resp: 168835

Ion Ratio Lower Upper

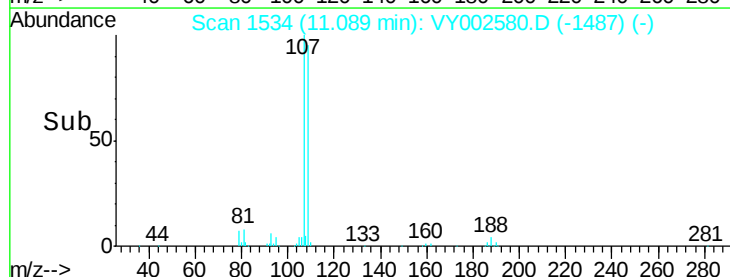
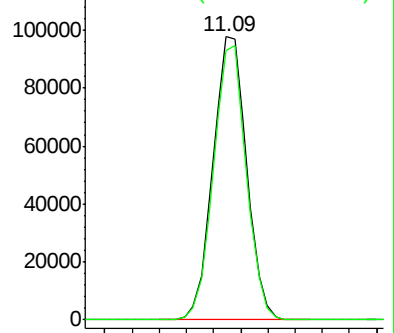
107 100

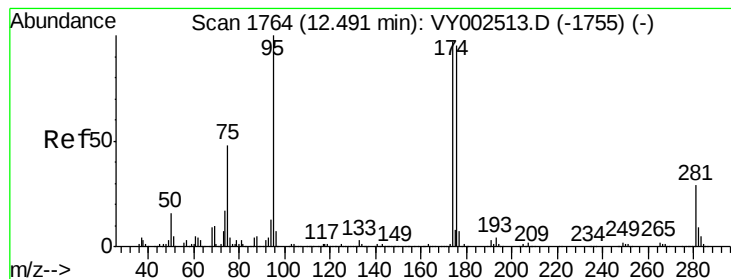
109 94.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 54.325 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

PT-VOA-SOILDL

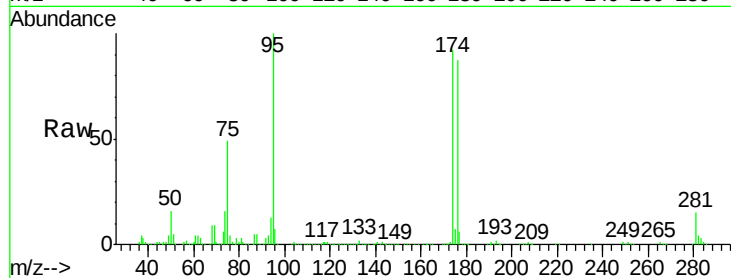
Tot Ion: 95 Resp: 258127

Ion Ratio Lower Upper

95 100

174 93.8 0.0 188.8

176 90.5 0.0 183.2

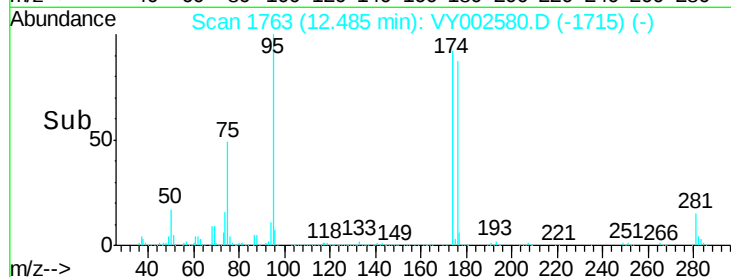


Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)

Time-->

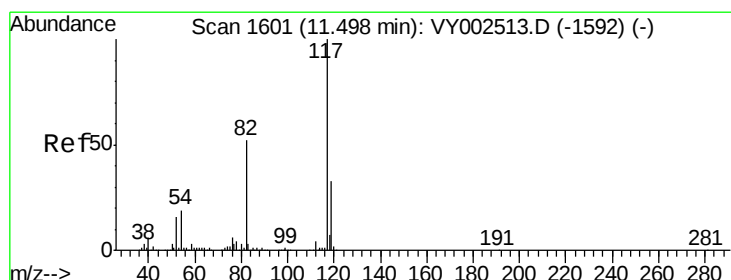


Abundance Ion 94.90 (94.60 to 95.60): VY002580.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY002580.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY002580.D (-1715) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

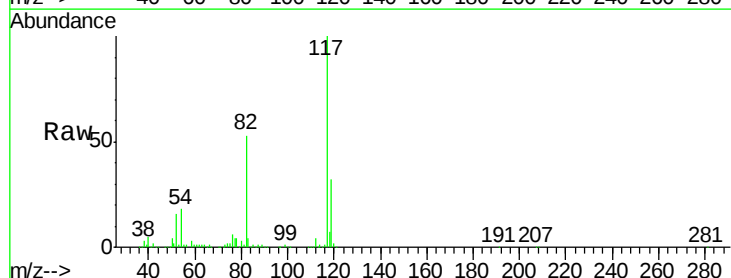
Tgt Ion: 117 Resp: 564663

Ion Ratio Lower Upper

117 100

82 52.8 41.3 61.9

119 32.4 26.0 39.0

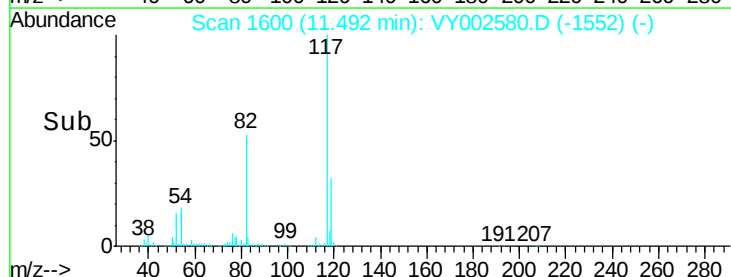


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)

Time-->

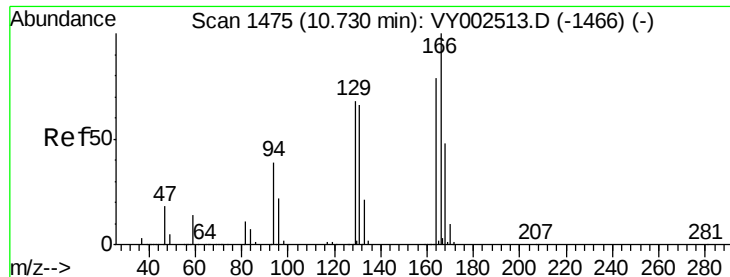


Abundance Ion 116.90 (116.60 to 117.60): VY002580.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY002580.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY002580.D (-1552) (-)

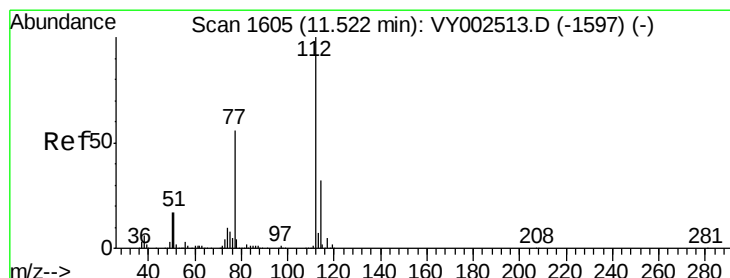
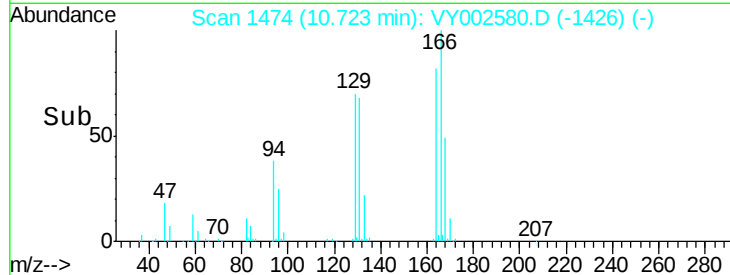
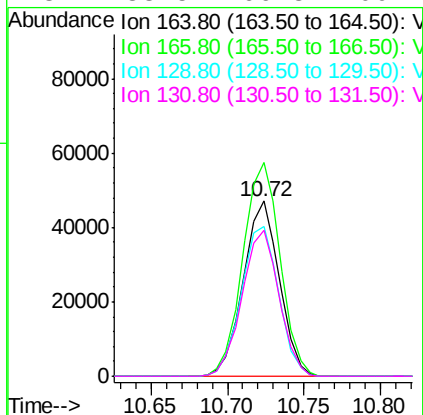
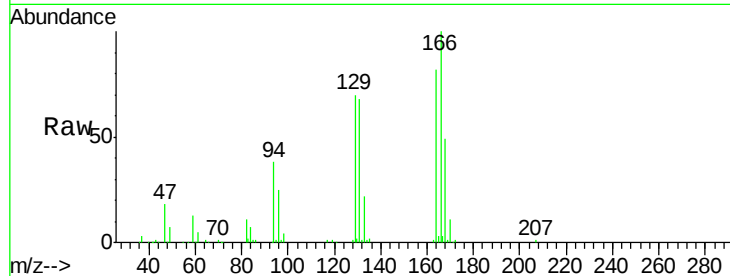
Time-->



#64  
Tetrachloroethene  
Concen: 15.402 ug/l  
RT: 10.72 min Scan# 1474  
Delta R.T. -0.01 min  
Lab File: VY002580.D  
Acq: 05 May 2020 12:53

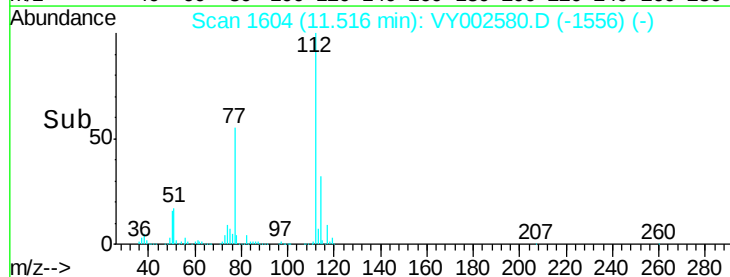
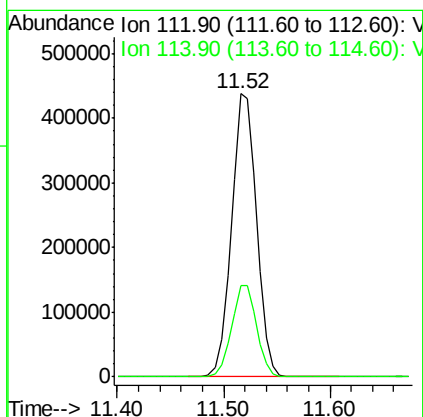
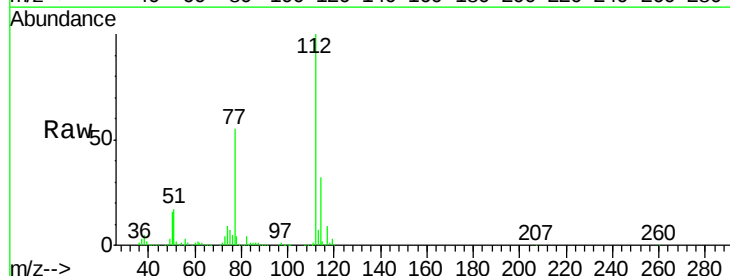
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOILDL

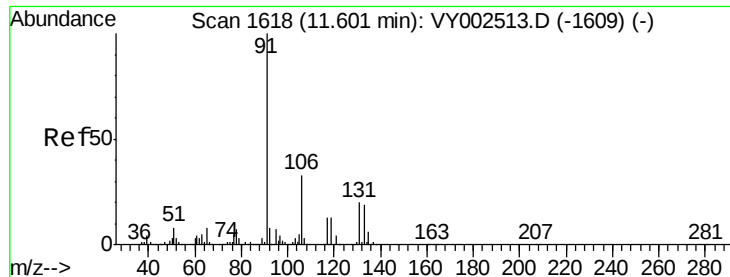
Tot Ion:164 Resp: 77271  
Ion Ratio Lower Upper  
164 100  
166 122.0 100.7 151.1  
129 85.9 68.3 102.5  
131 83.5 66.8 100.2



#65  
Chlorobenzene  
Concen: 67.074 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. -0.01 min  
Lab File: VY002580.D  
Acq: 05 May 2020 12:53

Tgt Ion:112 Resp: 719988  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.8 38.6





#66

1,1,1,2-Tetrachloroethane

Concen: 38.471 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

PT-VOA-SOILDL

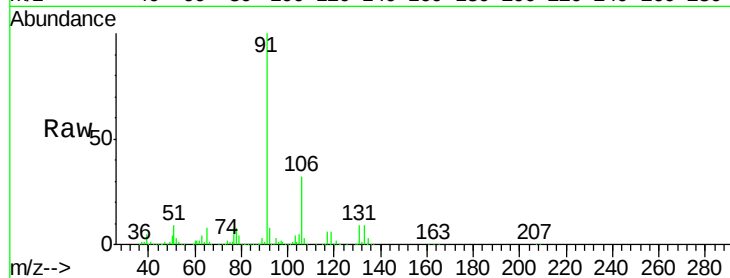
Tot Ion:131 Resp: 153290

Ion Ratio Lower Upper

131 100

133 96.9 48.1 144.4

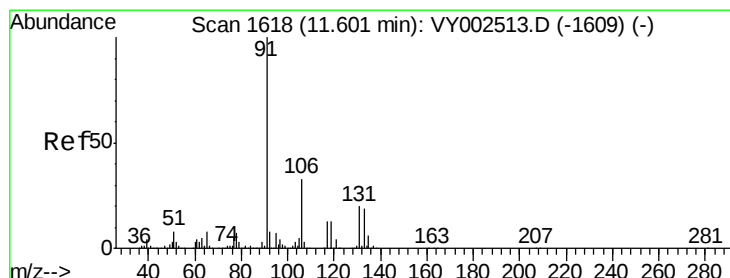
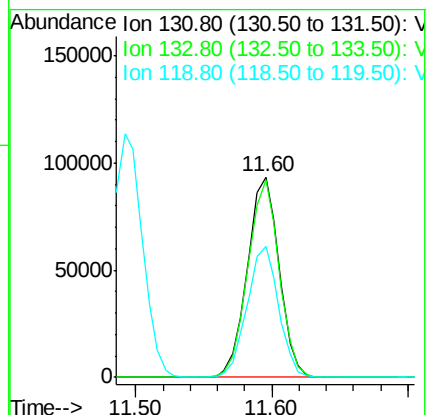
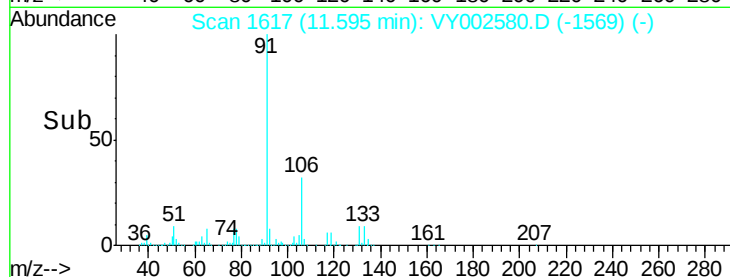
119 64.6 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 79.890 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002580.D

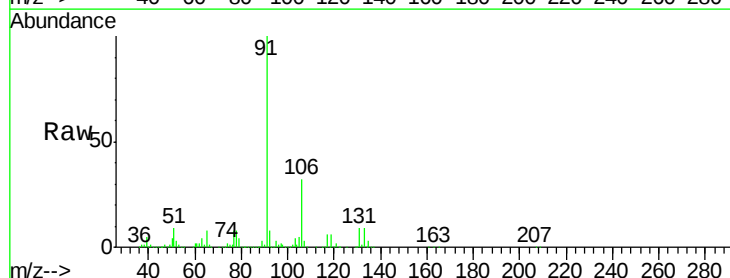
Acq: 05 May 2020 12:53

Tgt Ion: 91 Resp: 1506363

Ion Ratio Lower Upper

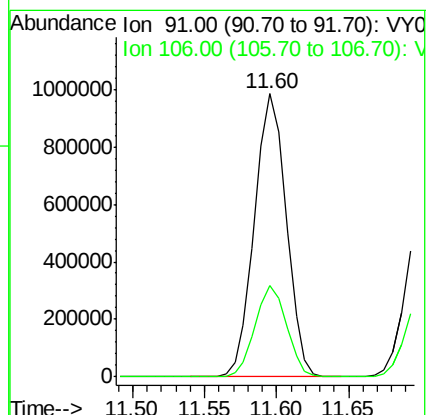
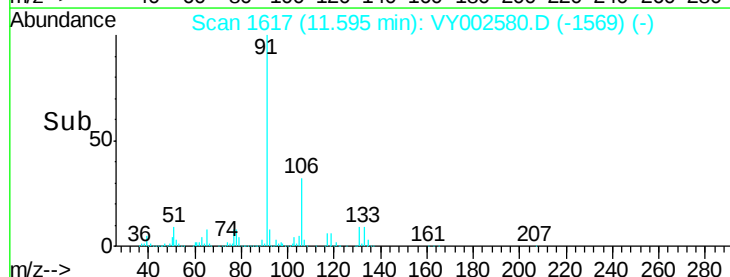
91 100

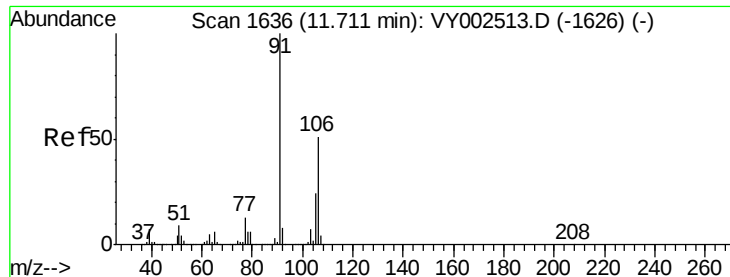
106 32.1 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V

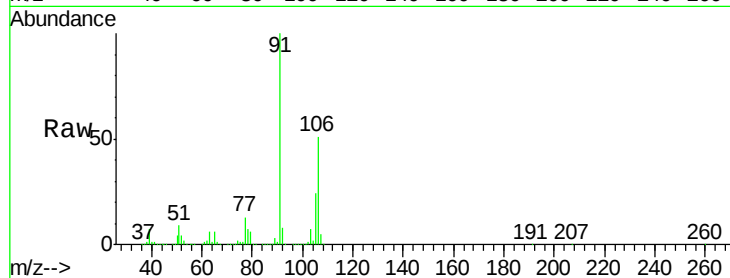




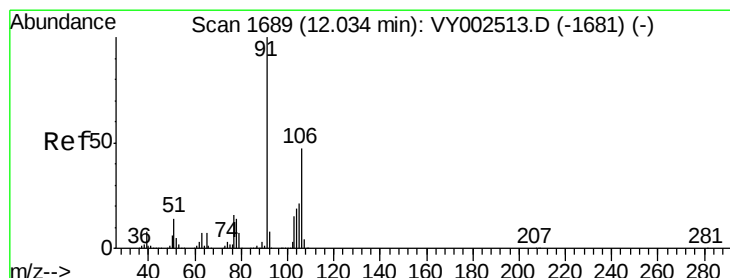
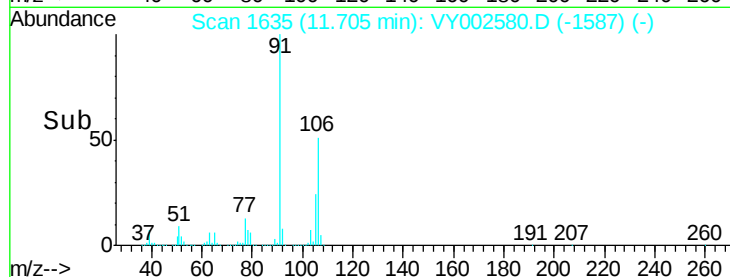
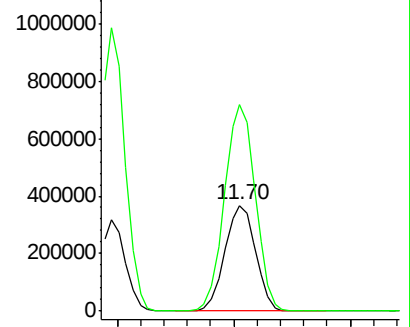
#68  
m/p-Xylenes  
Concen: 92.579 ug/l  
RT: 11.70 min Scan# 1635  
Delta R.T. -0.01 min  
Lab File: VY002580.D  
Acq: 05 May 2020 12:53

Instrument :  
MSVOA\_Y  
ClientSampled :  
PT-VOA-SOILDL

Tot Ion:106 Resp: 675417  
Ion Ratio Lower Upper  
106 100  
91 196.1 155.2 232.8

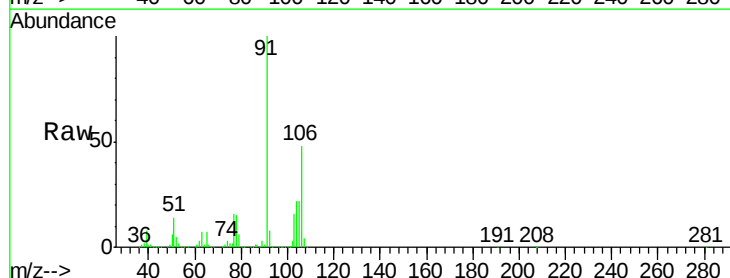


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VY0

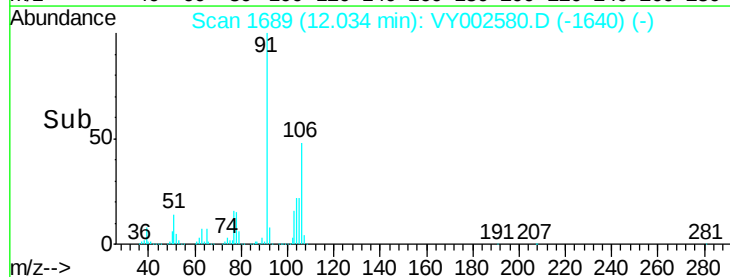
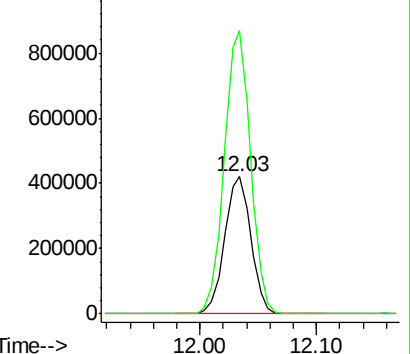


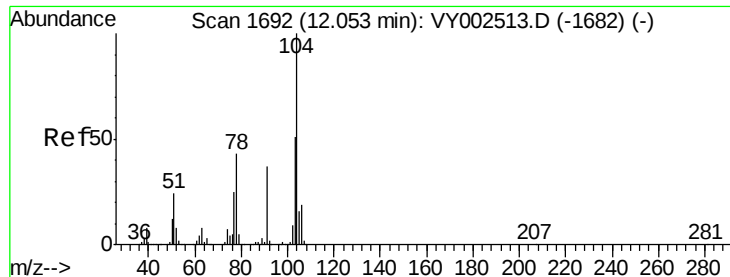
#69  
o-Xylene  
Concen: 96.795 ug/l  
RT: 12.03 min Scan# 1689  
Delta R.T. -0.00 min  
Lab File: VY002580.D  
Acq: 05 May 2020 12:53

Tgt Ion:106 Resp: 661204  
Ion Ratio Lower Upper  
106 100  
91 206.0 103.8 311.3



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VY0

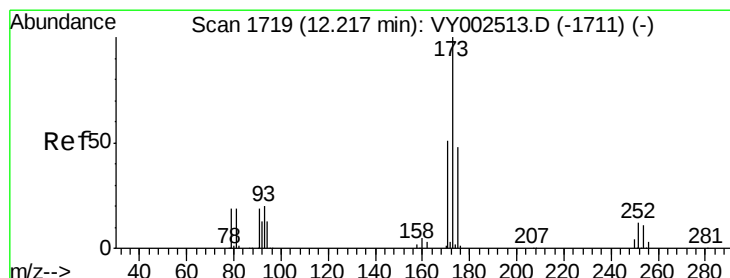
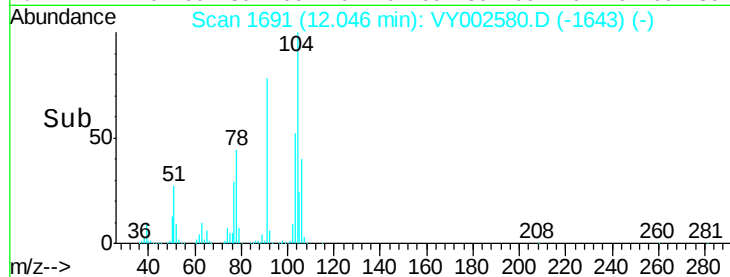
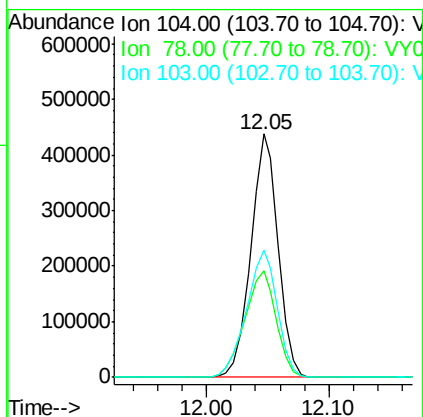
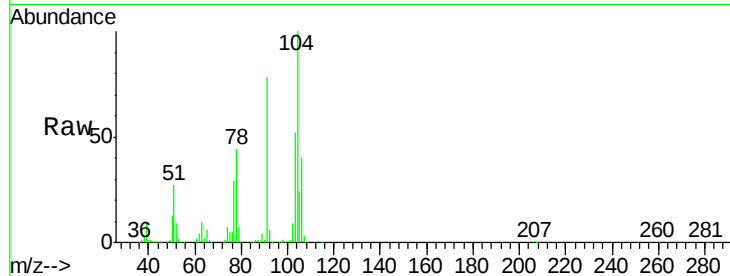




#70  
Stvrene  
Concen: 58.029 ug/l  
RT: 12.05 min Scan# 1691  
Delta R.T. -0.01 min  
Lab File: VY002580.D  
Acq: 05 May 2020 12:53

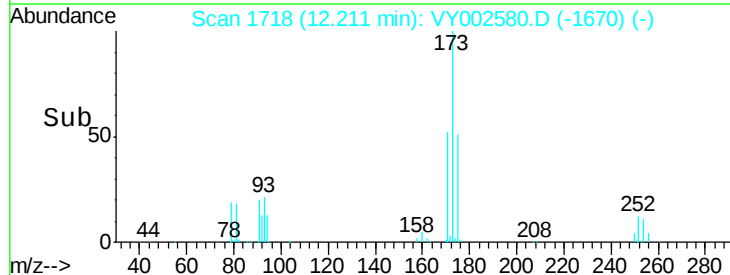
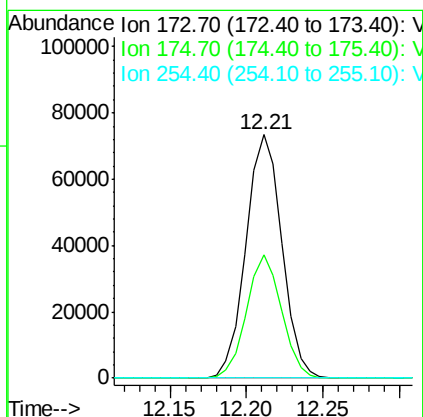
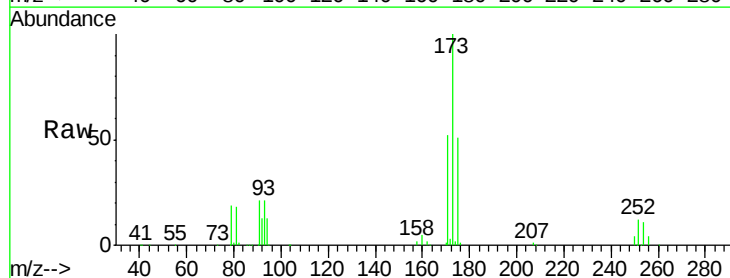
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOILDL

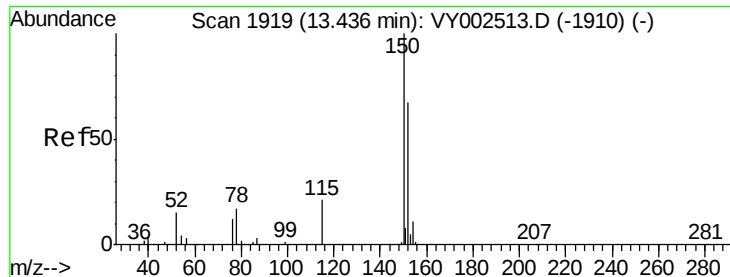
Tot Ion:104 Resp: 677644  
Ion Ratio Lower Upper  
104 100  
78 50.6 37.4 56.0  
103 59.0 43.9 65.9



#71  
Bromoform  
Concen: 48.365 ug/l  
RT: 12.21 min Scan# 1718  
Delta R.T. -0.01 min  
Lab File: VY002580.D  
Acq: 05 May 2020 12:53

Tgt Ion:173 Resp: 119613  
Ion Ratio Lower Upper  
173 100  
175 49.4 24.3 72.8  
254 0.1 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

PT-VOA-SOILDL

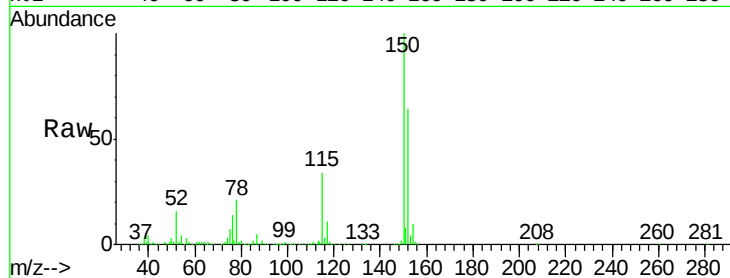
Tot Ion:152 Resp: 287936

Ion Ratio Lower Upper

152 100

115 54.7 27.5 82.4

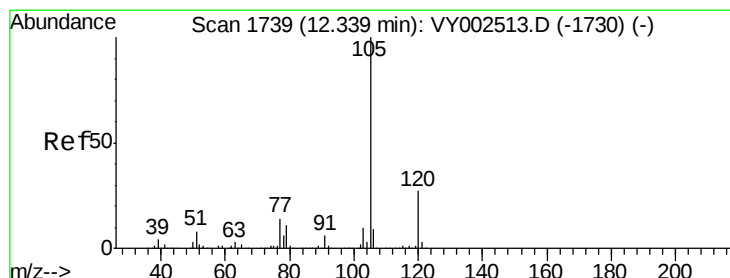
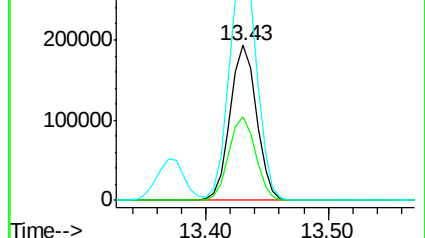
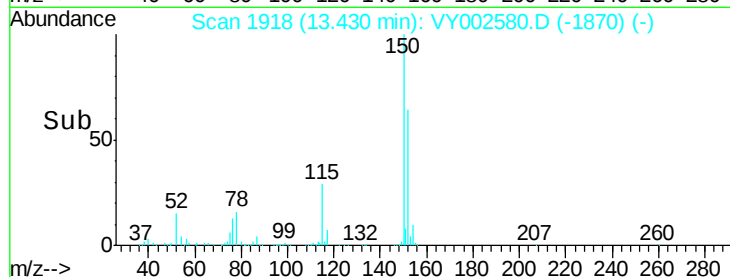
150 157.3 0.0 346.4



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



#73

Isopropylbenzene

Concen: 84.636 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002580.D

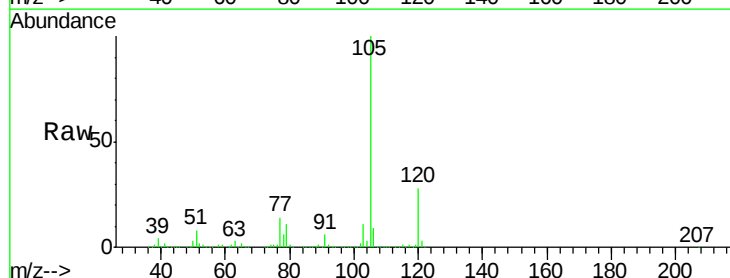
Acq: 05 May 2020 12:53

Tgt Ion:105 Resp: 1579400

Ion Ratio Lower Upper

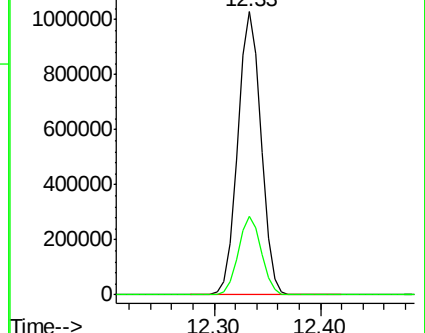
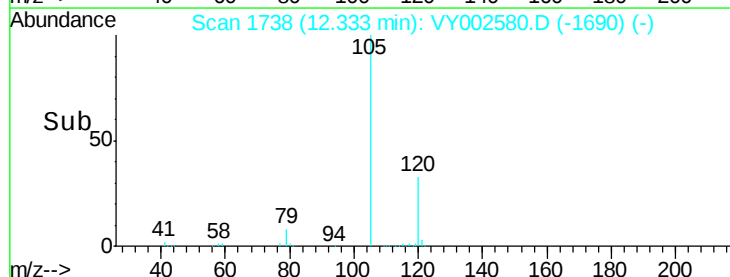
105 100

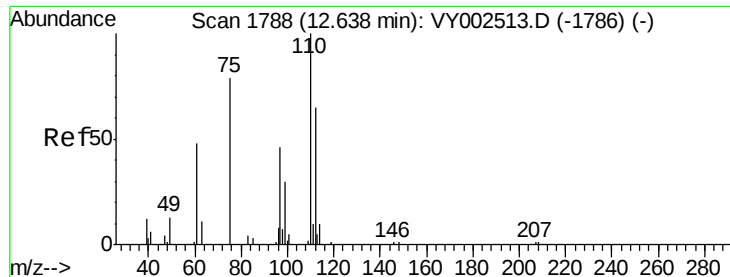
120 27.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 17.798 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

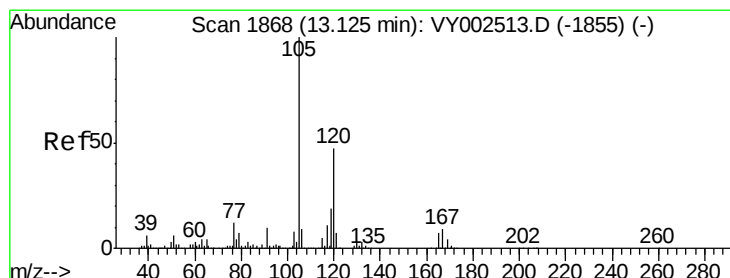
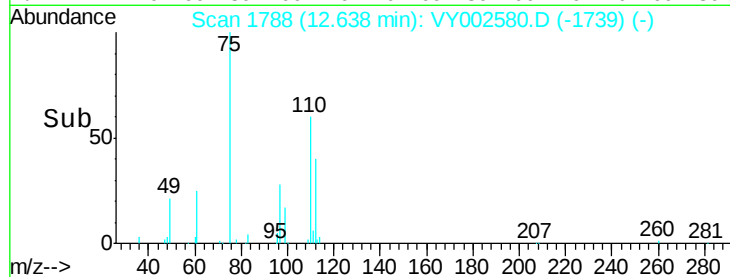
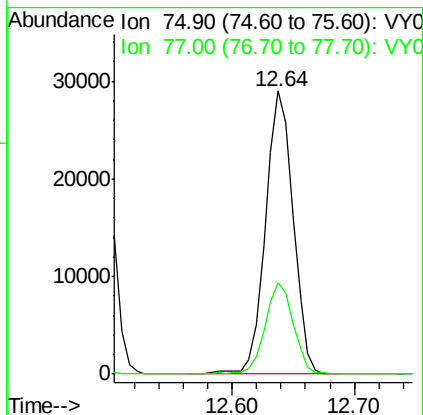
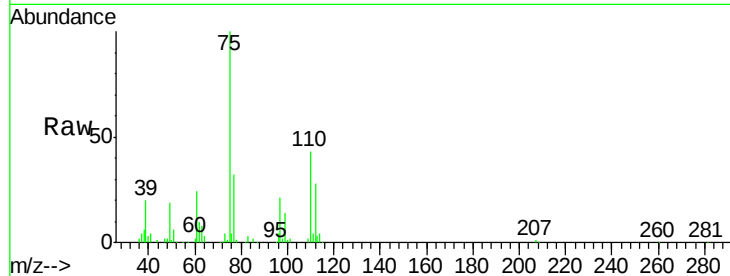
PT-VOA-SOILD

Tot Ion: 75 Resp: 45542

Ion Ratio Lower Upper

75 100

77 33.2 0.0 0.0#



#84

1,2,4-Trimethylbenzene

Concen: 79.938 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VY002580.D

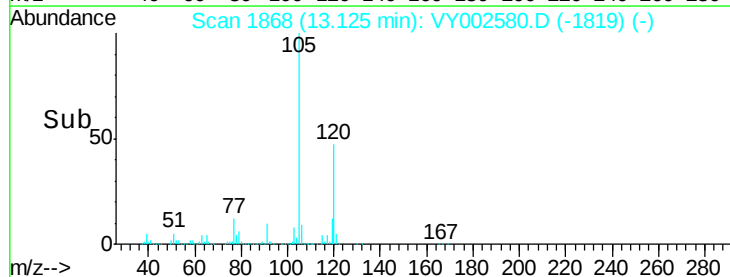
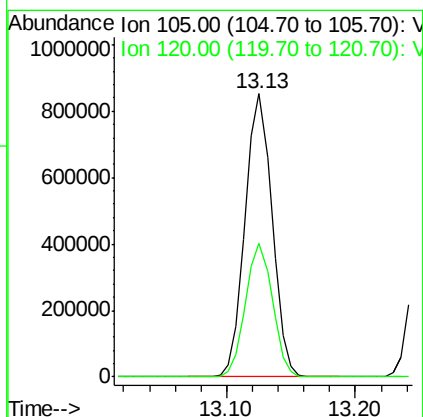
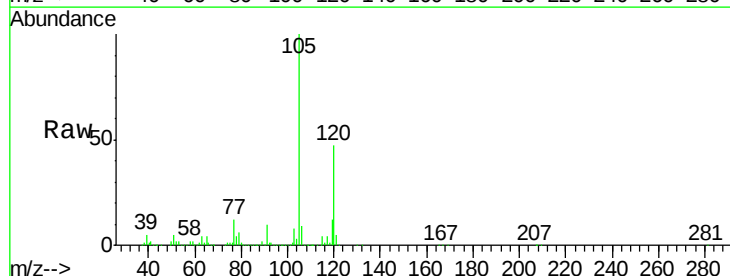
Acq: 05 May 2020 12:53

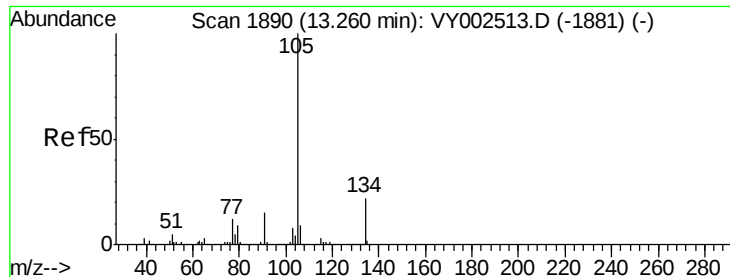
Tgt Ion: 105 Resp: 1232337

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 75.144 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampled :

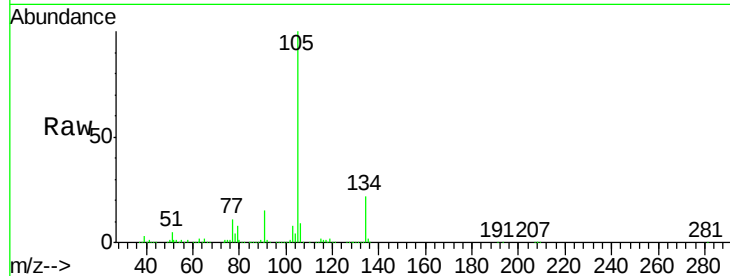
PT-VOA-SOILDL

Tot Ion:105 Resp: 1414250

Ion Ratio Lower Upper

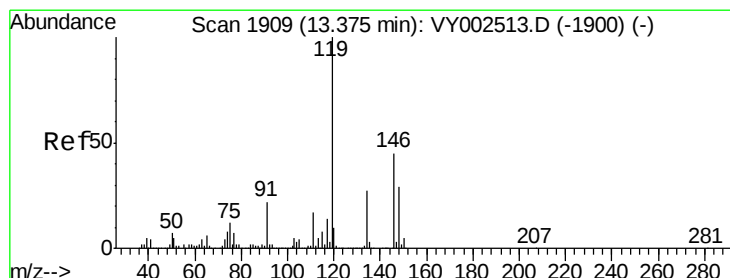
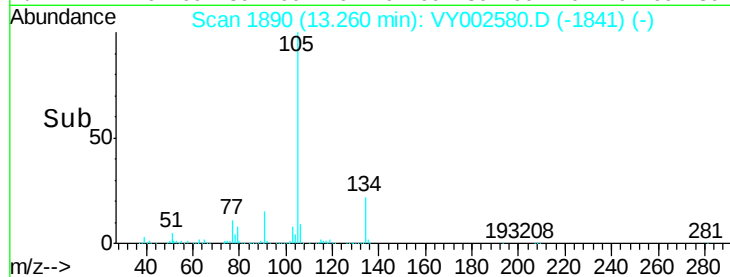
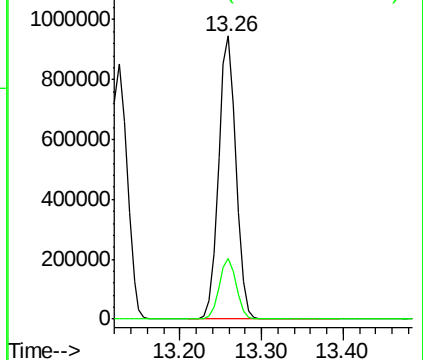
105 100

134 21.2 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 88.845 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

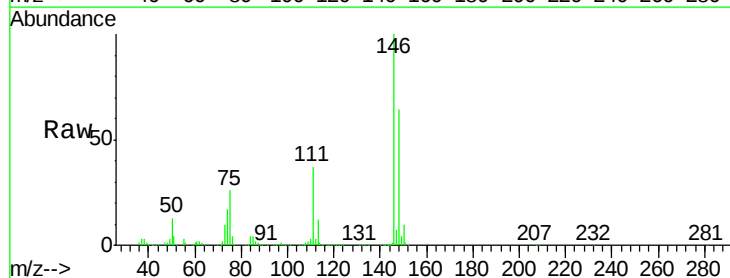
Tgt Ion:146 Resp: 783976

Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.3

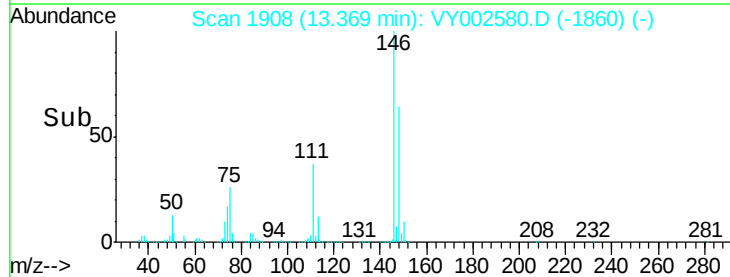
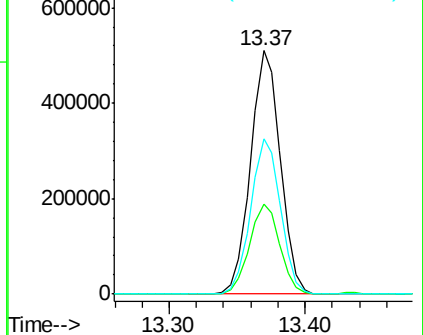
148 63.7 32.1 96.3

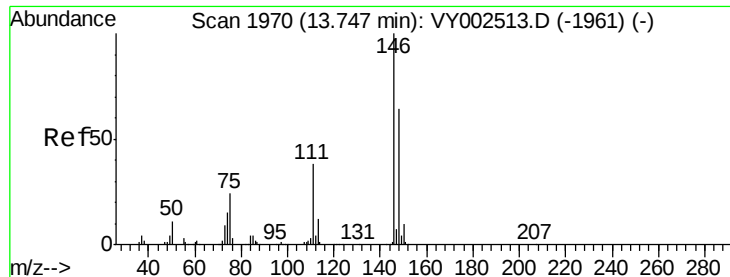


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 88.333 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

PT-VOA-SOILDL

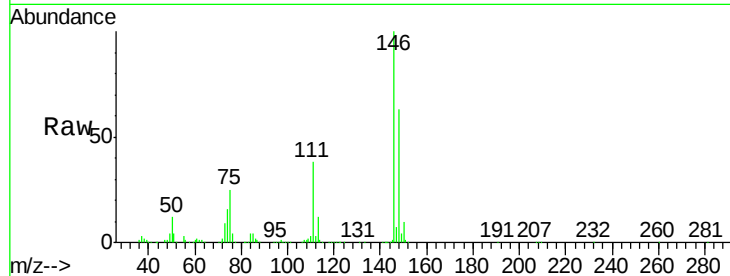
Tot Ion:146 Resp: 695515

Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.5

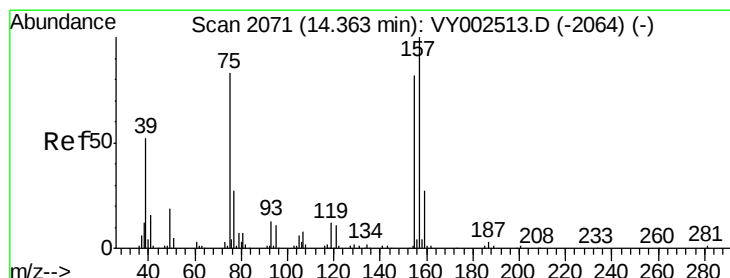
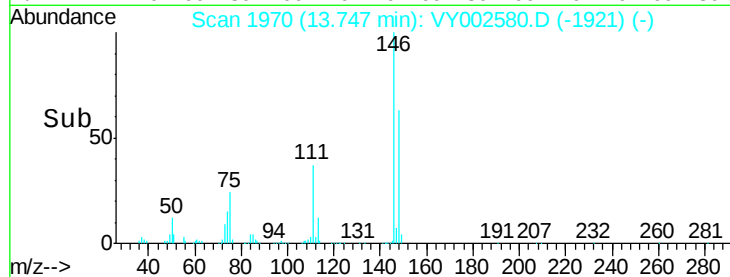
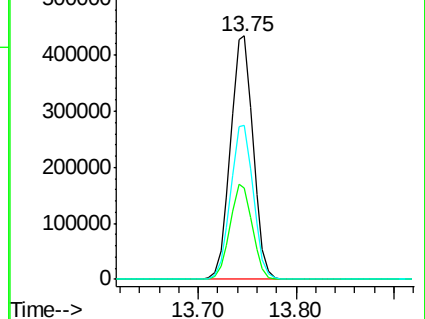
148 63.6 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 70.383 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

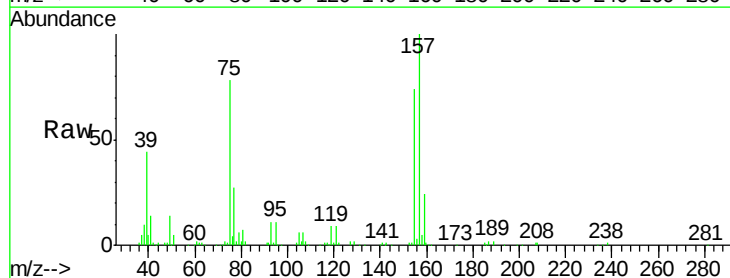
Tgt Ion: 75 Resp: 38937

Ion Ratio Lower Upper

75 100

155 101.5 51.3 153.9

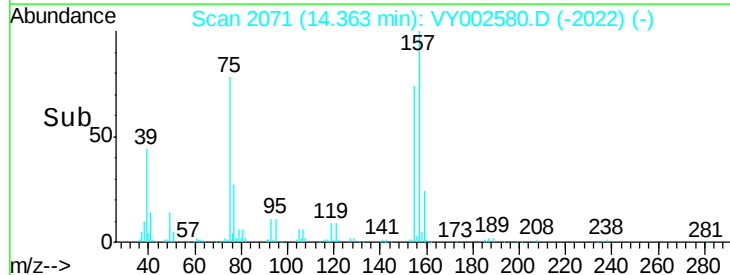
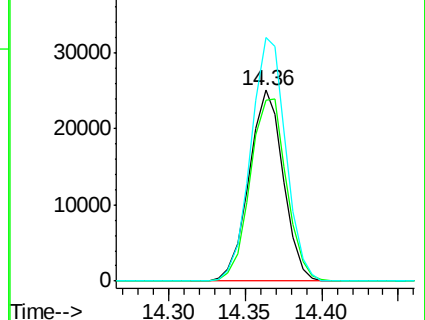
157 130.2 65.0 195.0

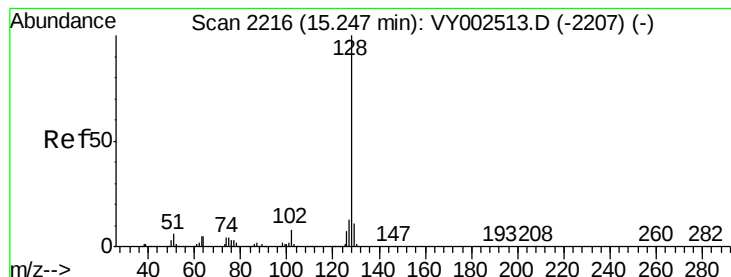


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

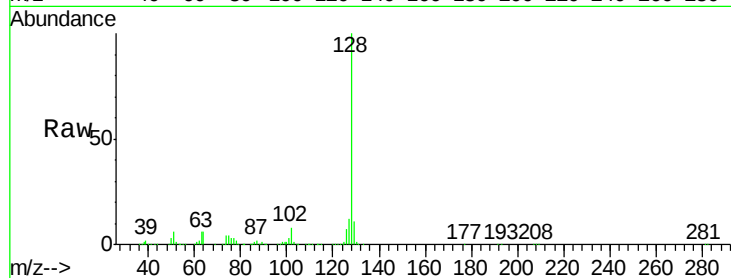




#95  
Naphthalene  
Concen: 80.174 ug/l  
RT: 15.24 min Scan# 2215  
Delta R.T. -0.01 min  
Lab File: VY002580.D  
Acq: 05 May 2020 12:53

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOILDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.5  | 15.7  |
| 129     | 10.9  | 8.8   | 13.2  |



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

