

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020922\  
 Data File : VY007449.D  
 Acq On : 09 Feb 2022 13:49  
 Operator : SY/MD  
 Sample : N1426-04  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 POST-EX-04-0207

Quant Time: Feb 10 05:34:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 Response via : Initial Calibration

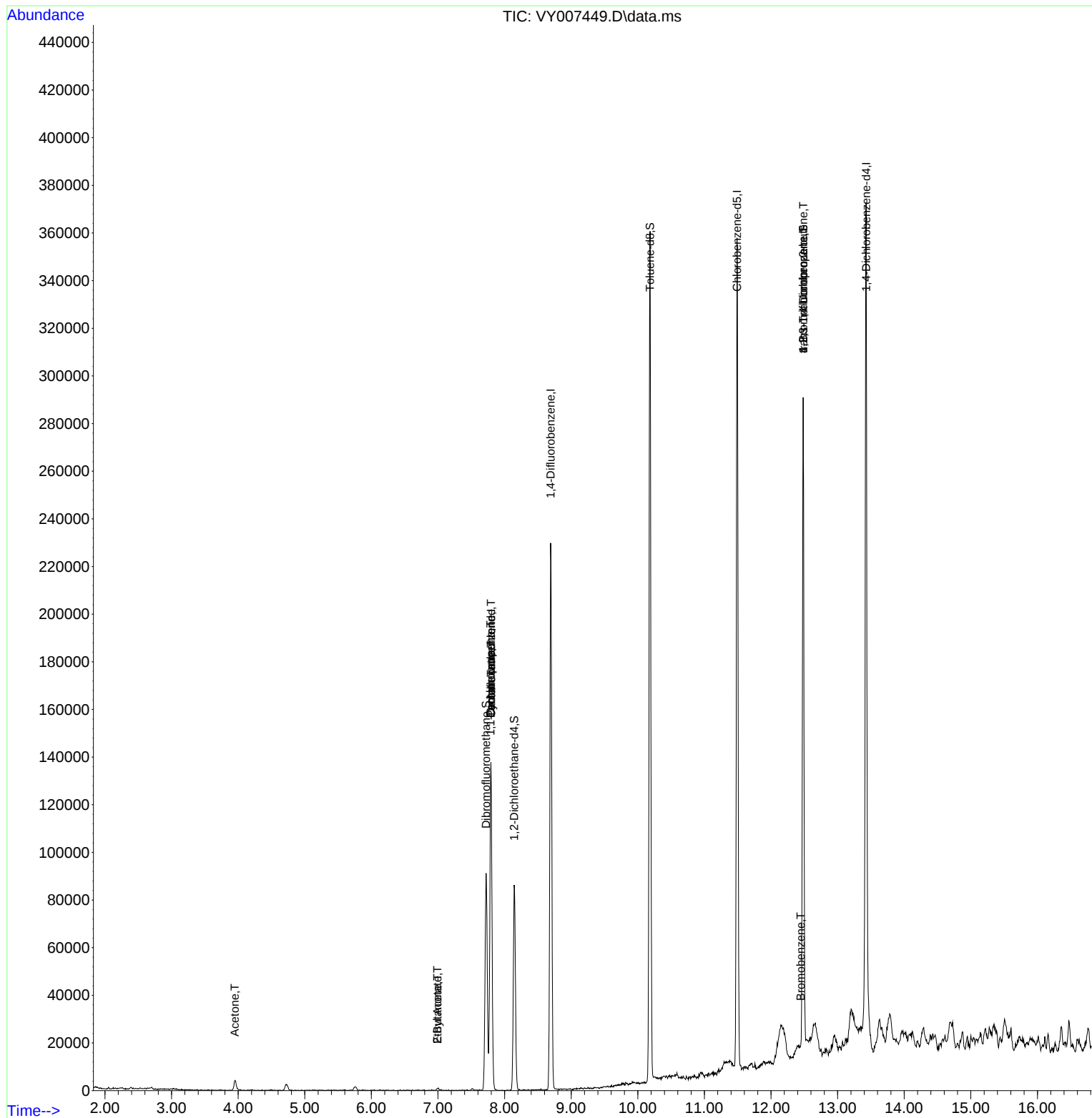
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 100448              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 192194              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 188630              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 79290               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142          | 65   | 67792               | 58.674    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 117.340% |           |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 64002               | 51.859    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 103.720% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 239588              | 52.546    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 105.100% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 85901               | 55.429    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 110.860% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 3) Chloromethane              | 2.113          | 50   | 263                 | Below Cal | #      | 59       |
| 11) Tert butyl alcohol        | 4.942          | 59   | 19                  | Below Cal | #      | 77       |
| 16) Acetone                   | 3.948          | 43   | 7102                | 18.926    | ug/l   | 99       |
| 20) Methylene Chloride        | 4.722          | 84   | 1978                | Below Cal | #      | 82       |
| 25) 2-Butanone                | 6.990          | 43   | 1456                | 3.212     | ug/l   | 92       |
| 31) Cyclohexane               | 7.795          | 56   | 2379                | 1.055     | ug/l   | # 33     |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 8659                | 4.013     | ug/l   | # 52     |
| 37) Ethyl Acetate             | 6.990          | 43   | 1456                | 1.357     | ug/l   | # 72     |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 11071               | 4.884     | ug/l   | # 14     |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 46740               | 49.586    | ug/l   | # 100    |
| 77) Bromobenzene              | 12.447         | 156  | 3130                | 2.051     | ug/l   | # 1      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 46740               | 99.341    | ug/l   | # 7      |
| -----                         |                |      |                     |           |        |          |

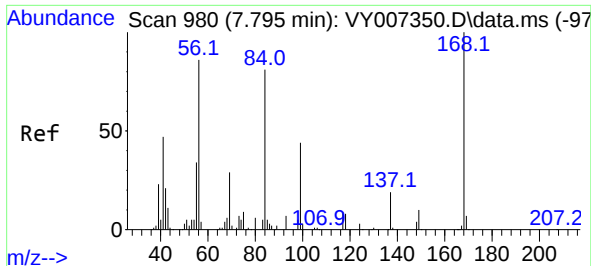
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Feb 03 04:36:48 2022  
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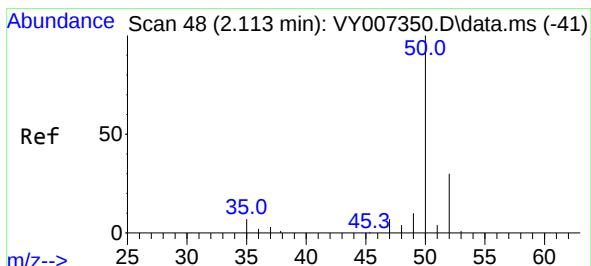
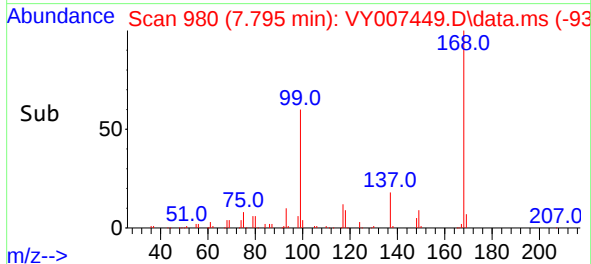
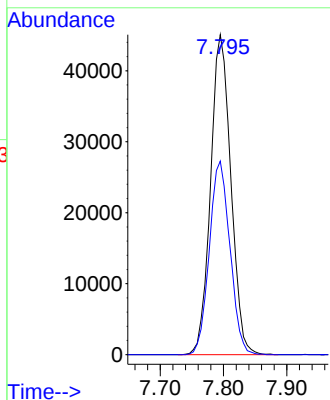
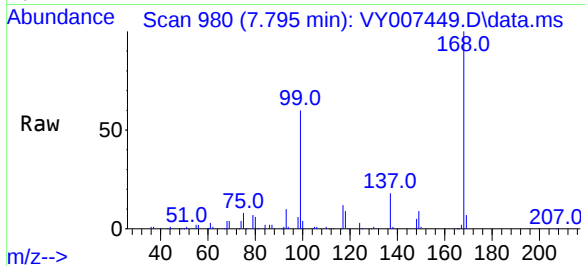




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007449.D  
Acq: 09 Feb 2022 13:49

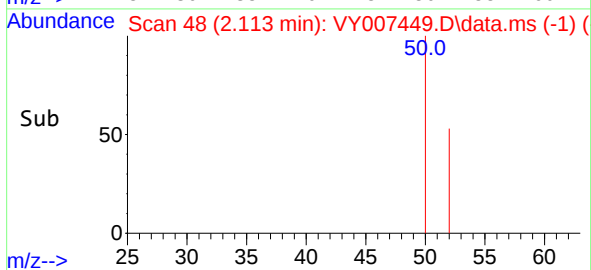
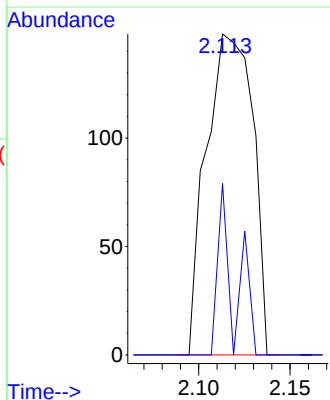
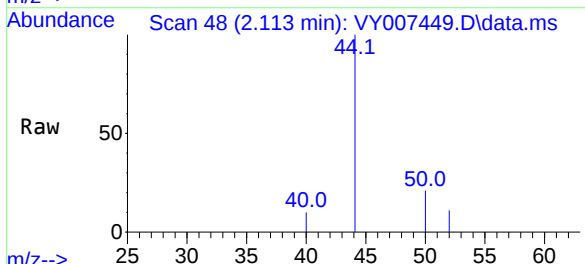
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-EX-04-0207

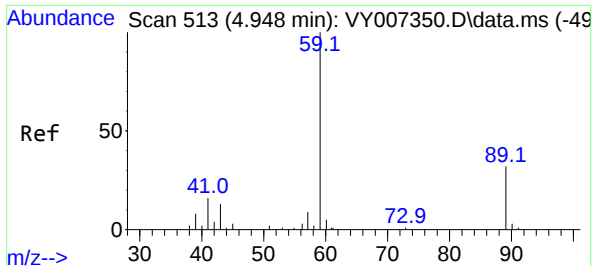
Tgt Ion:168 Resp: 100448  
Ion Ratio Lower Upper  
168 100  
99 60.5 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY007449.D  
Acq: 09 Feb 2022 13:49

Tgt Ion: 50 Resp: 263  
Ion Ratio Lower Upper  
50 100  
52 53.4 24.6 37.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY007449.D

Acq: 09 Feb 2022 13:49

Instrument :

MSVOA\_Y

ClientSampleId :

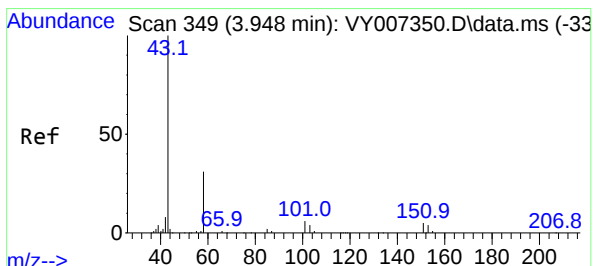
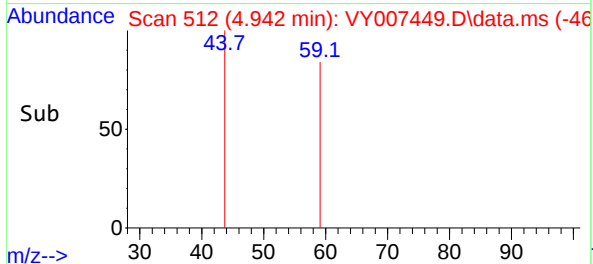
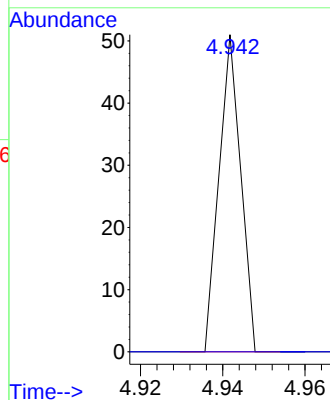
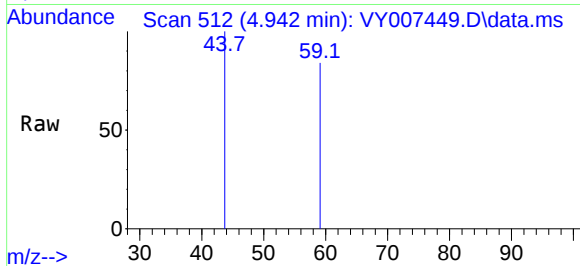
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Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 18.926 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY007449.D

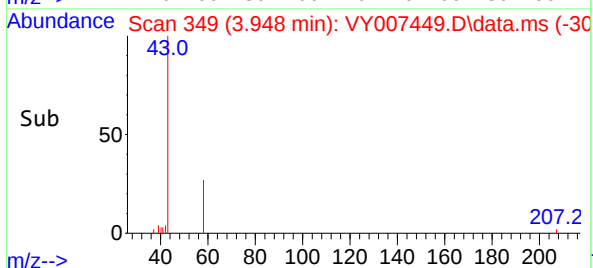
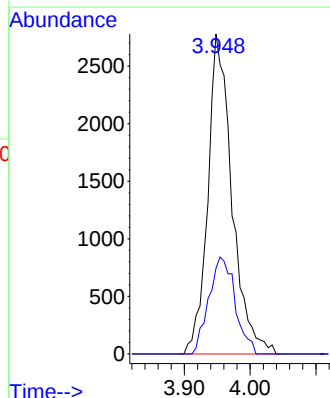
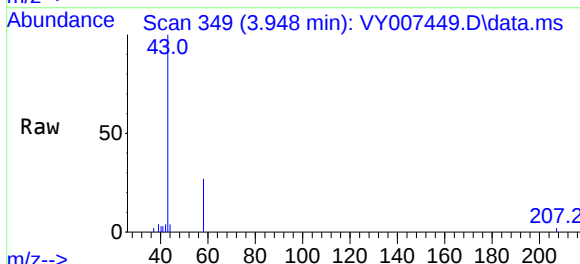
Acq: 09 Feb 2022 13:49

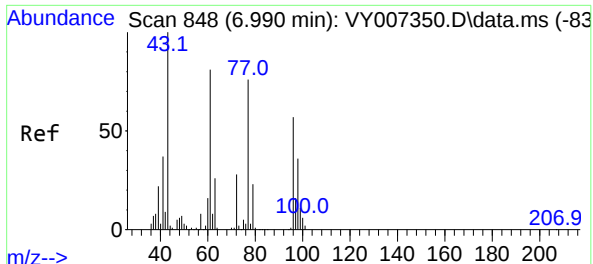
Tgt Ion: 43 Resp: 7102

Ion Ratio Lower Upper

43 100

58 26.8 22.0 33.0





#25

2-Butanone

Concen: 3.212 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.000 min

Lab File: VY007449.D

Acq: 09 Feb 2022 13:49

Instrument :

MSVOA\_Y

ClientSampleId :

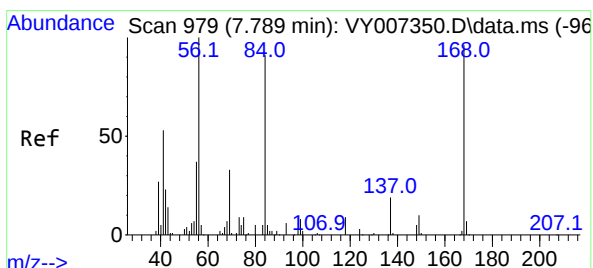
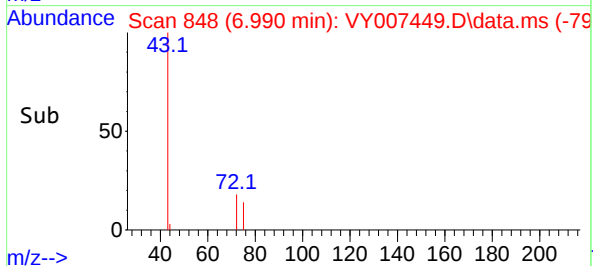
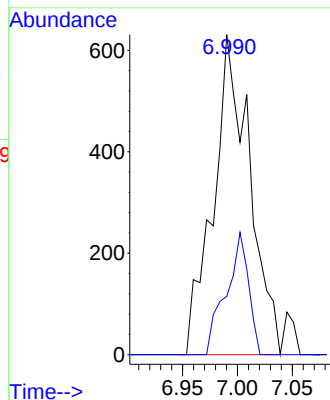
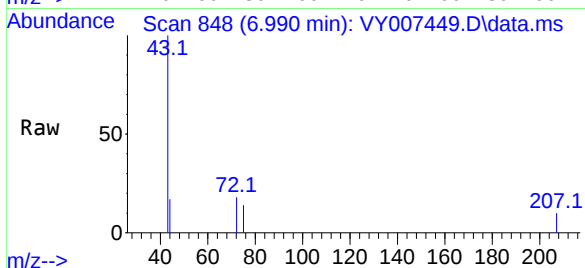
POST-EX-04-0207

Tgt Ion: 43 Resp: 1456

Ion Ratio Lower Upper

43 100

72 18.2 17.7 26.5



#31

Cyclohexane

Concen: 1.055 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY007449.D

Acq: 09 Feb 2022 13:49

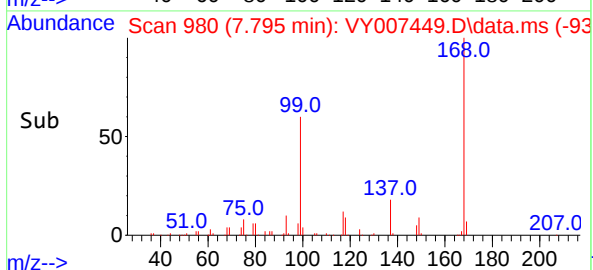
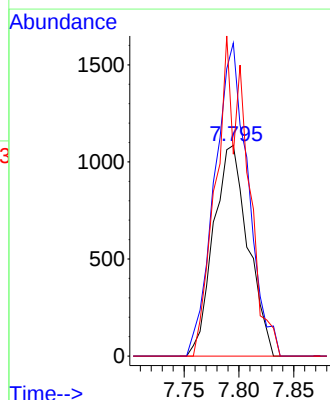
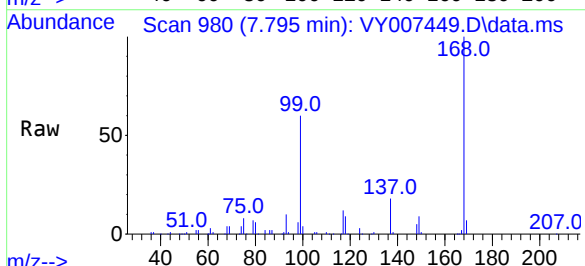
Tgt Ion: 56 Resp: 2379

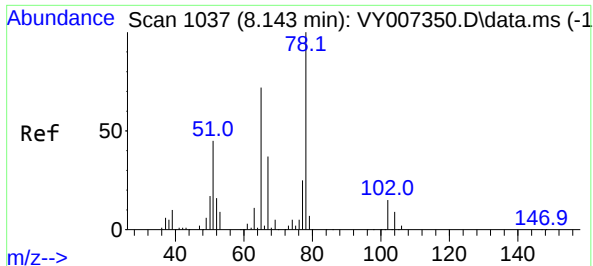
Ion Ratio Lower Upper

56 100

69 148.7 26.7 40.1#

84 95.9 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 58.674 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY007449.D

Acq: 09 Feb 2022 13:49

Instrument :

MSVOA\_Y

ClientSampleId :

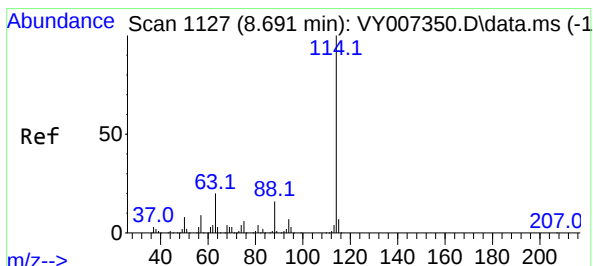
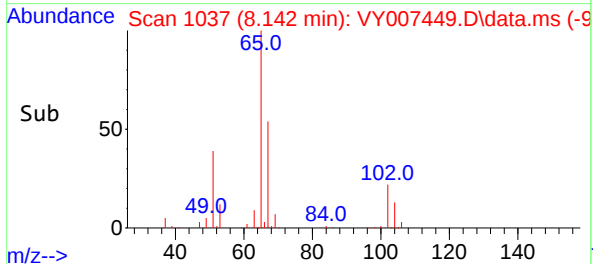
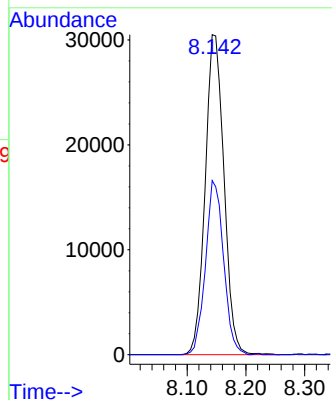
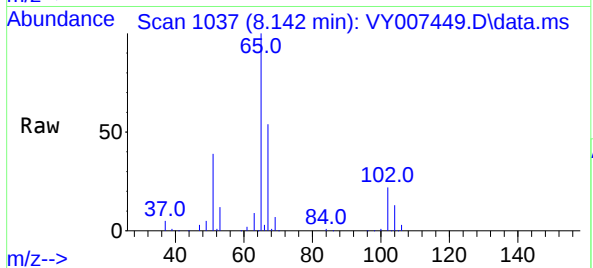
POST-EX-04-0207

Tgt Ion: 65 Resp: 67792

Ion Ratio Lower Upper

65 100

67 52.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007449.D

Acq: 09 Feb 2022 13:49

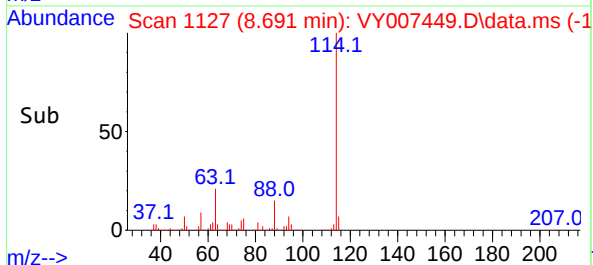
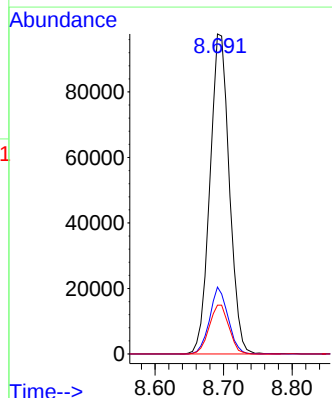
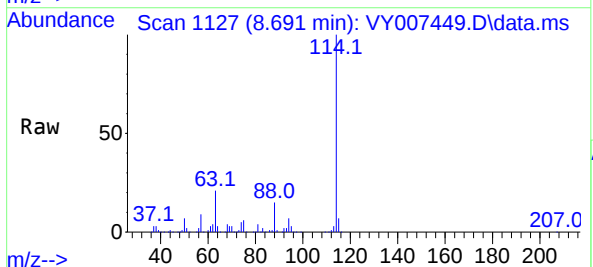
Tgt Ion: 114 Resp: 192194

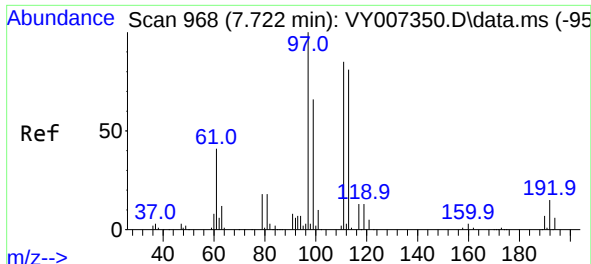
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 15.3 0.0 31.8

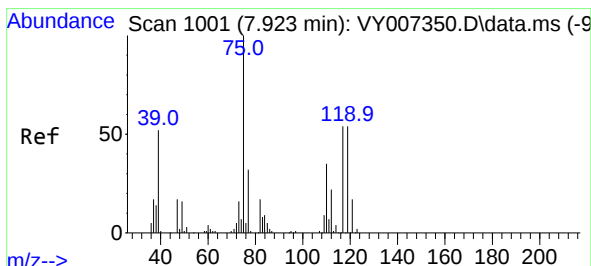
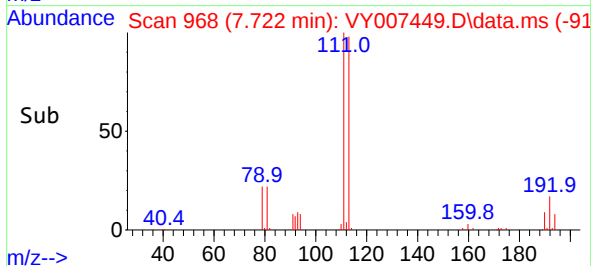
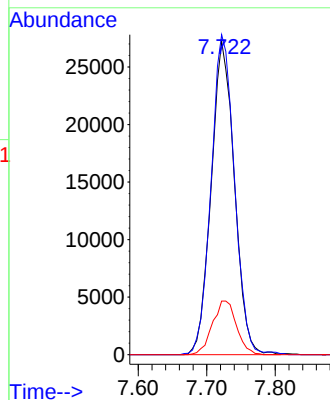
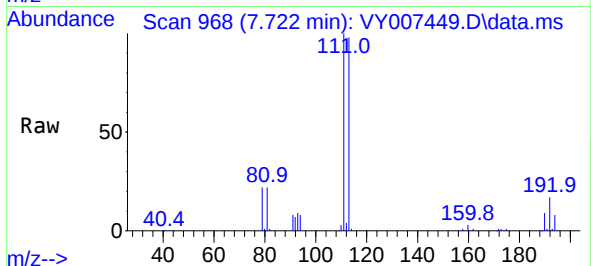




#35  
Dibromofluoromethane  
Concen: 51.859 ug/l  
RT: 7.722 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY007449.D  
Acq: 09 Feb 2022 13:49

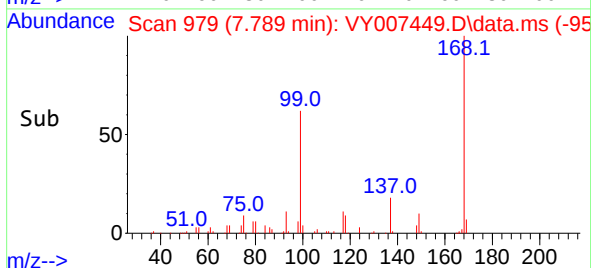
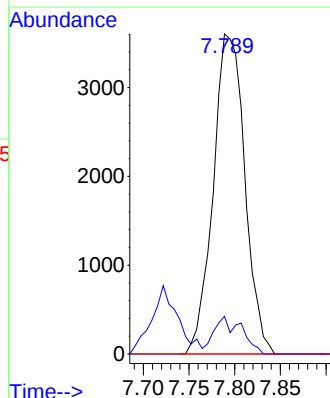
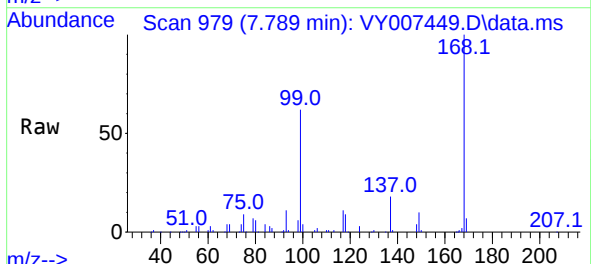
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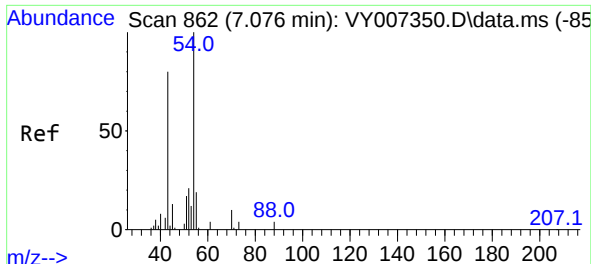
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|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 64002 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.7 | 82.6  | 124.0 |
| 192      | 17.7  | 17.6  | 26.4  |



#36  
1,1-Dichloropropene  
Concen: 4.013 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY007449.D  
Acq: 09 Feb 2022 13:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 8659  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 10.2  | 17.1  | 51.2# |
| 77       | 0.0   | 24.4  | 36.6# |





#37

Ethyl Acetate

Concen: 1.357 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY007449.D

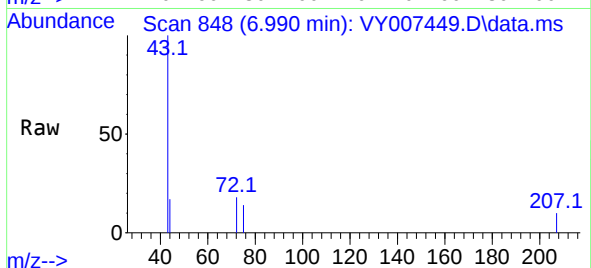
Acq: 09 Feb 2022 13:49

Instrument :

MSVOA\_Y

ClientSampleId :

POST-EX-04-0207



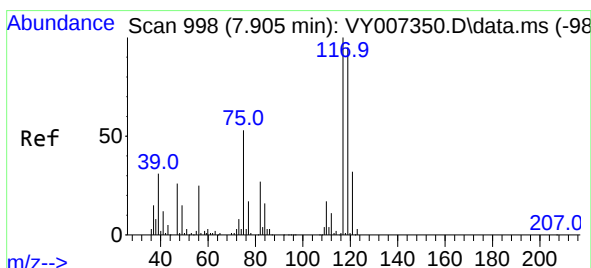
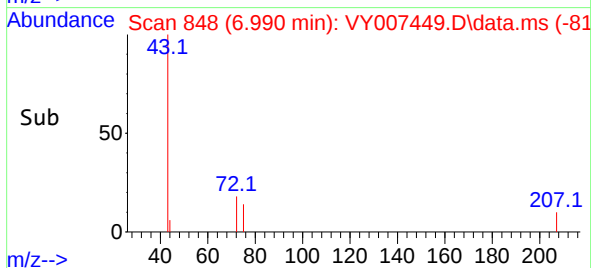
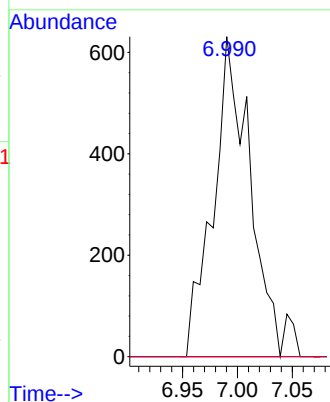
Tgt Ion: 43 Resp: 1456

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.884 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY007449.D

Acq: 09 Feb 2022 13:49

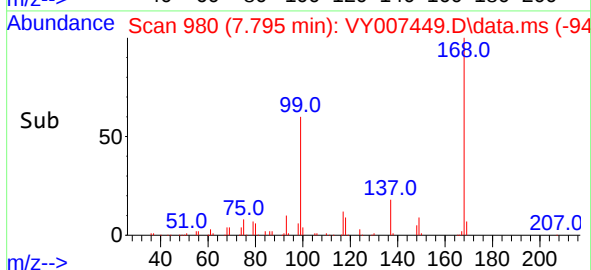
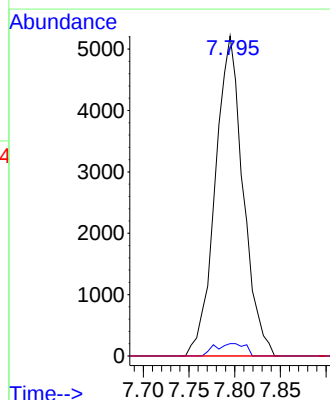
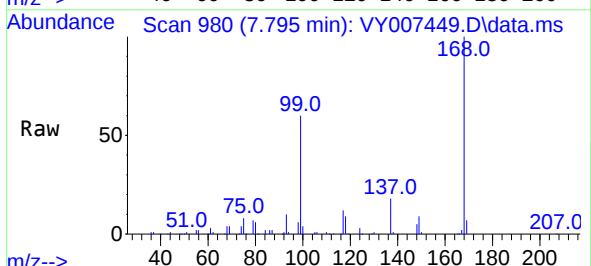
Tgt Ion: 117 Resp: 11071

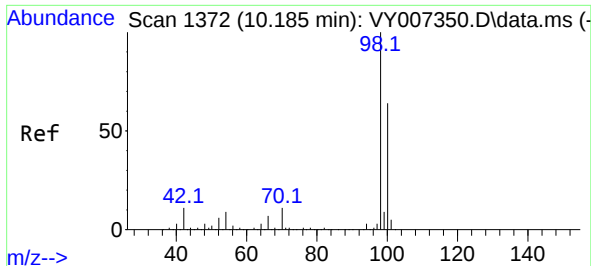
Ion Ratio Lower Upper

117 100

119 3.9 77.9 116.9#

121 0.0 24.8 37.2#

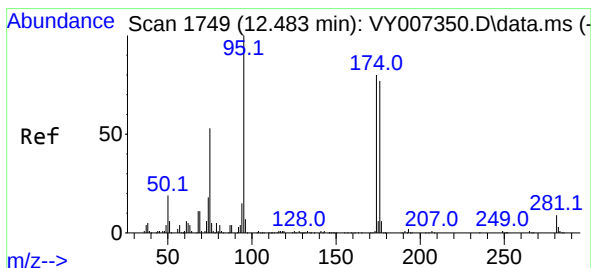
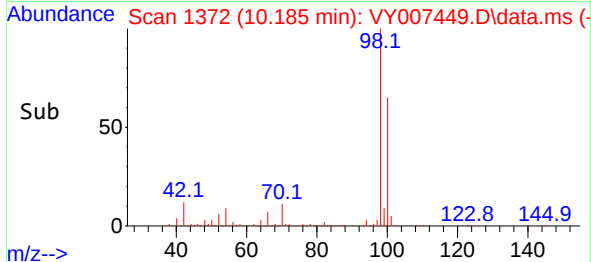
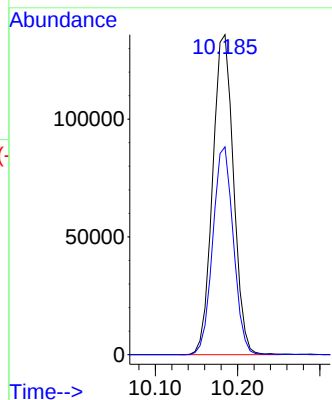
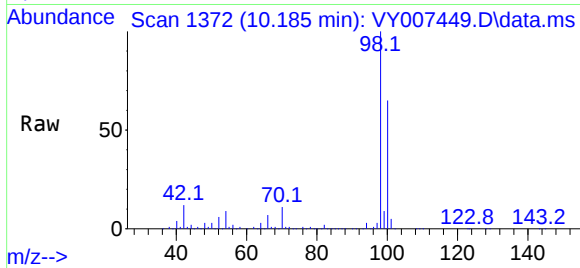




#50  
Toluene-d8  
Concen: 52.546 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY007449.D  
Acq: 09 Feb 2022 13:49

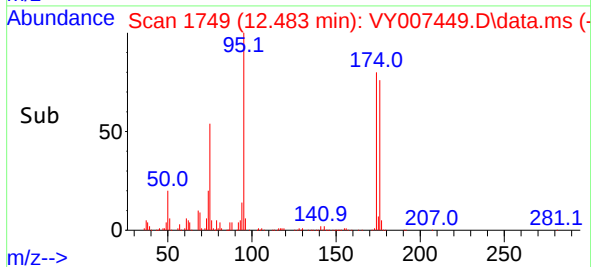
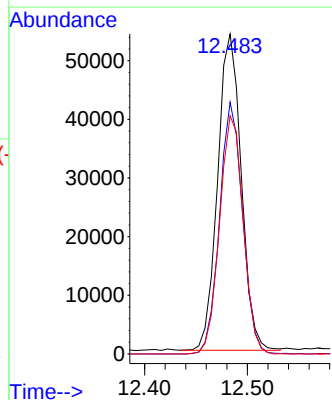
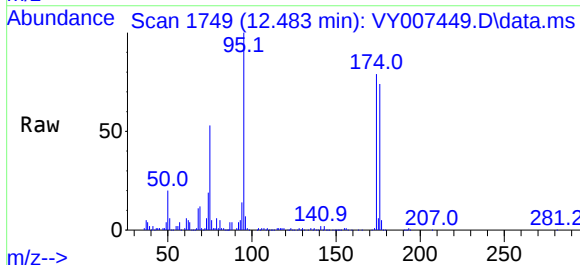
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-EX-04-0207

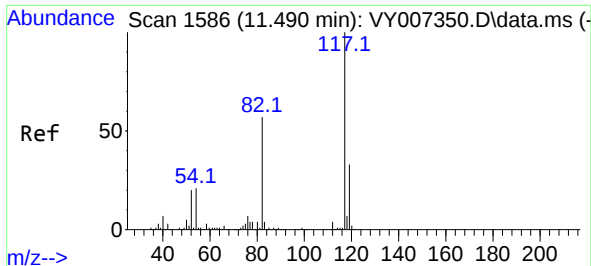
Tgt Ion: 98 Resp: 239588  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 55.429 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY007449.D  
Acq: 09 Feb 2022 13:49

Tgt Ion: 95 Resp: 85901  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 177.0  
176 75.1 0.0 175.8

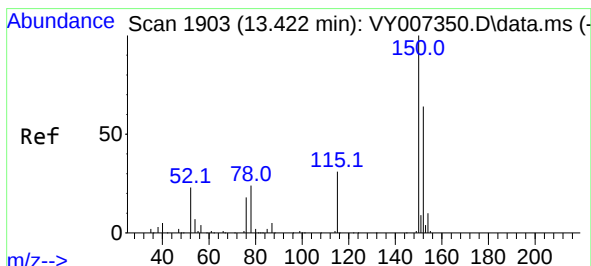
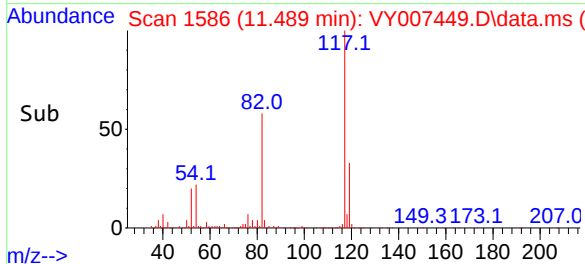
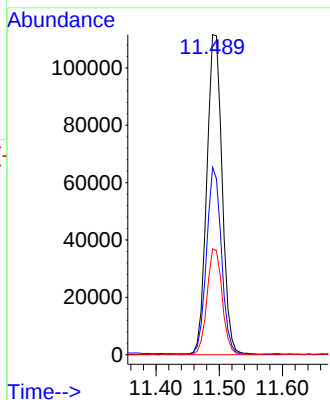
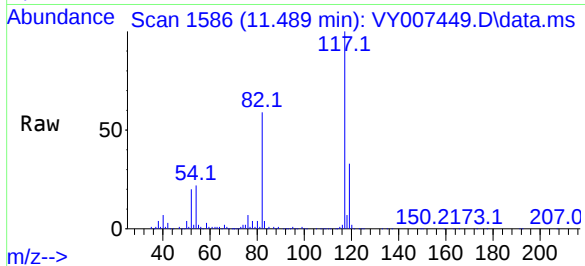




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007449.D  
Acq: 09 Feb 2022 13:49

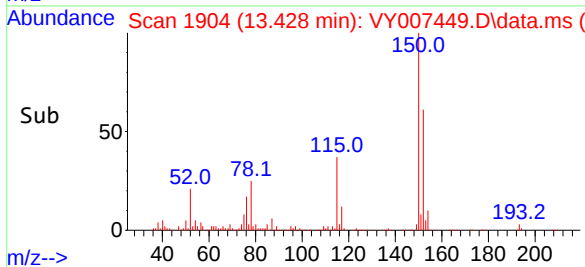
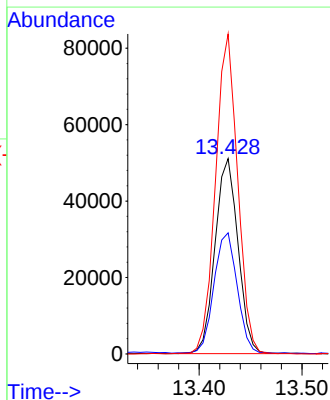
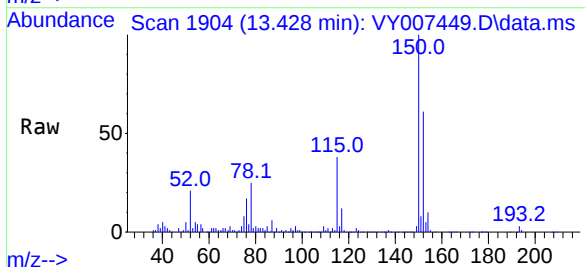
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-EX-04-0207

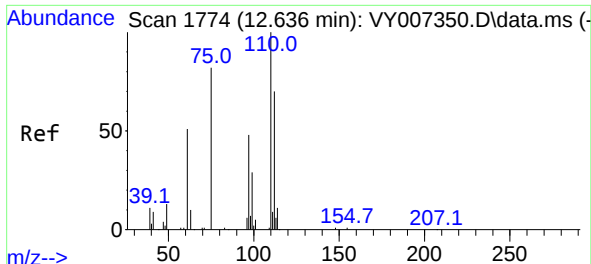
Tgt Ion:117 Resp: 188630  
Ion Ratio Lower Upper  
117 100  
82 58.3 43.0 64.4  
119 33.0 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY007449.D  
Acq: 09 Feb 2022 13:49

Tgt Ion:152 Resp: 79290  
Ion Ratio Lower Upper  
152 100  
115 62.2 28.2 84.7  
150 158.2 0.0 347.6

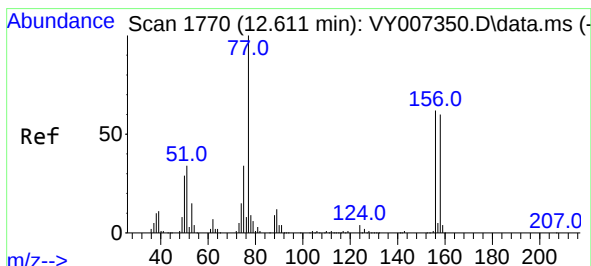
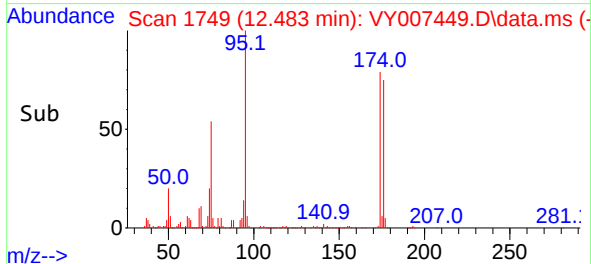
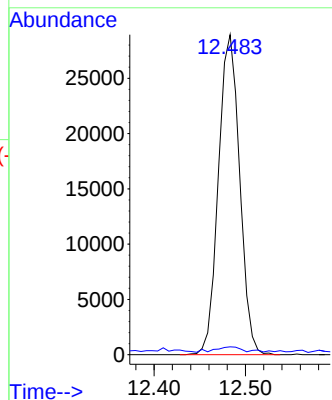
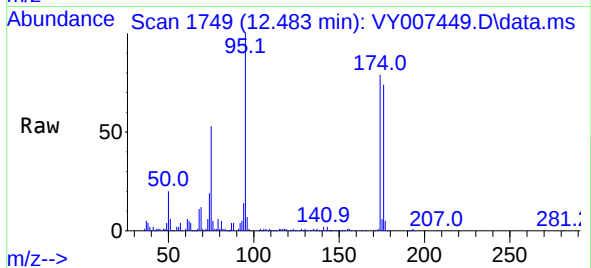




#76  
1,2,3-Trichloropropane  
Concen: 49.586 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY007449.D  
Acq: 09 Feb 2022 13:49

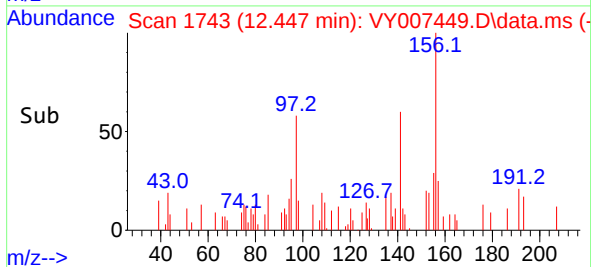
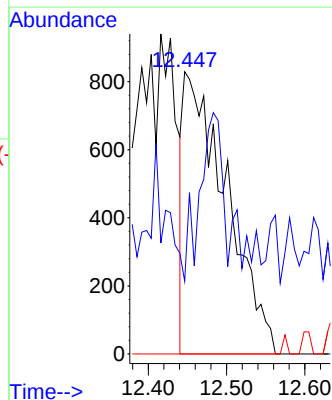
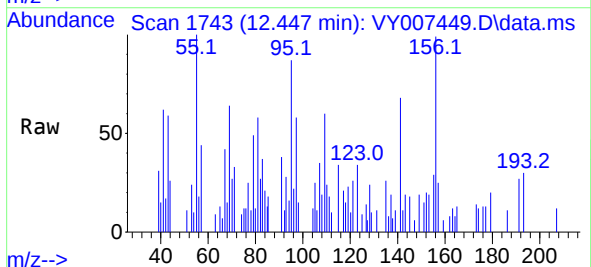
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-EX-04-0207

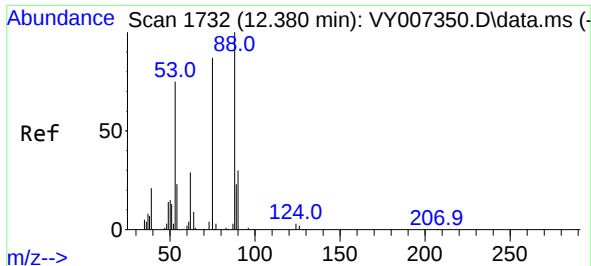
Tgt Ion: 75 Resp: 46740  
Ion Ratio Lower Upper  
75 100  
77 2.0 0.0 0.0#



#77  
Bromobenzene  
Concen: 2.051 ug/l  
RT: 12.447 min Scan# 1743  
Delta R.T. -0.165 min  
Lab File: VY007449.D  
Acq: 09 Feb 2022 13:49

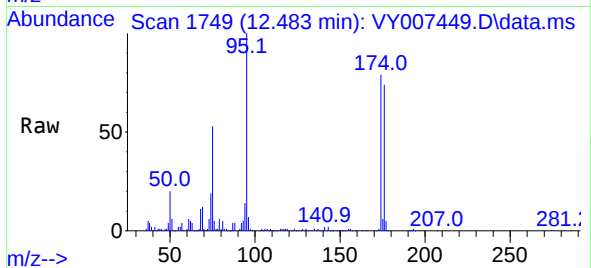
Tgt Ion: 156 Resp: 3130  
Ion Ratio Lower Upper  
156 100  
77 0.0 95.5 286.4#  
158 0.0 48.0 144.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 99.341 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY007449.D  
 Acq: 09 Feb 2022 13:49

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 POST-EX-04-0207



Tgt Ion: 75 Resp: 46740  
 Ion Ratio Lower Upper  
 75 100  
 53 0.3 85.3 127.9#  
 89 0.2 37.0 55.4#

