

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040622\  
 Data File : VY008224.D  
 Acq On : 06 Apr 2022 11:03  
 Operator : SY/MD  
 Sample : VY0406SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0406SBL01

Quant Time: Apr 07 02:08:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032522S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 26 03:24:51 2022  
 Response via : Initial Calibration

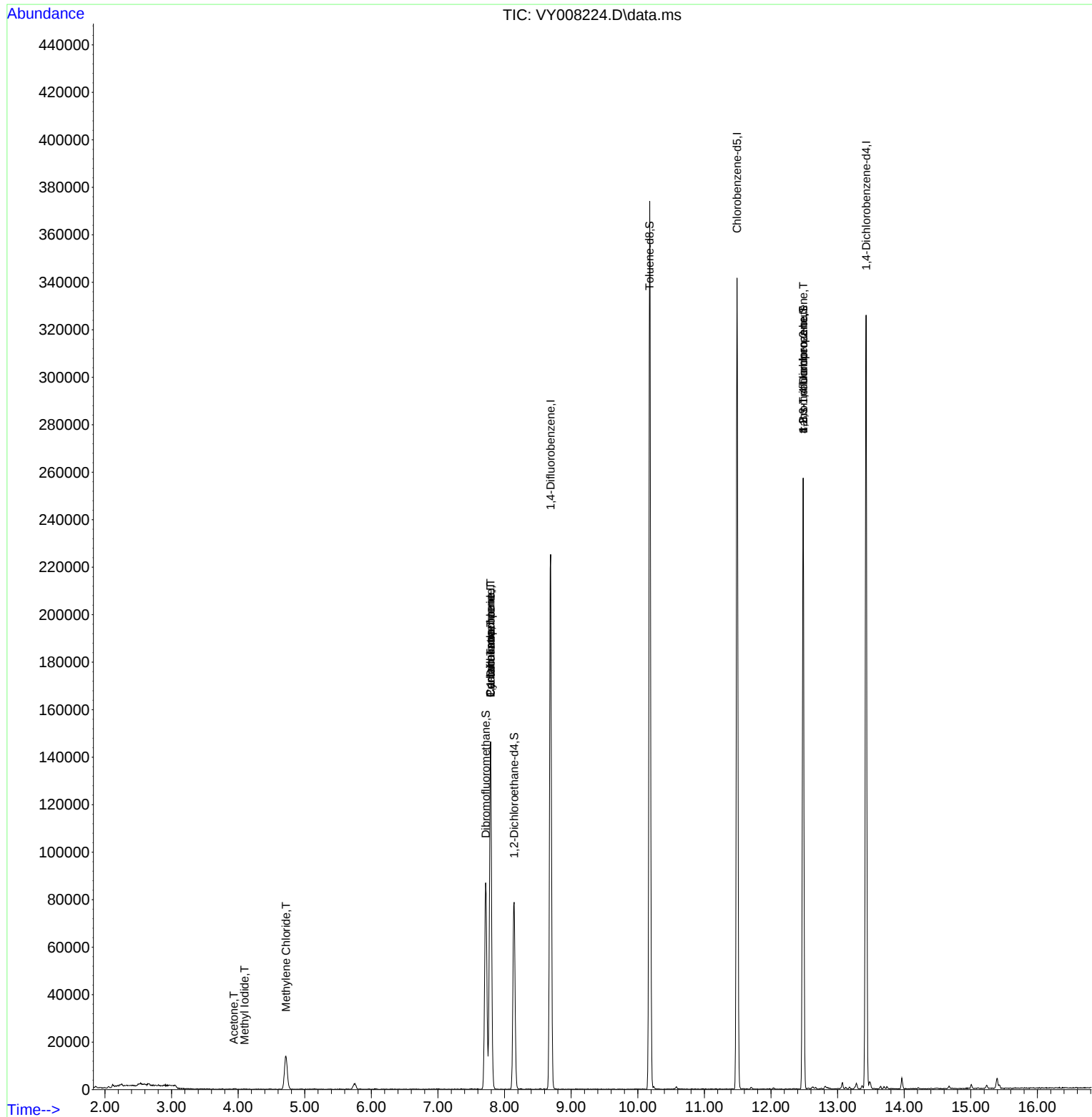
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.789     | 168            | 111895   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114            | 204118   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117            | 190385   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152            | 83636    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65             | 61632    | 54.899     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 50 - 163 | Recovery | = 109.800% |        |          |
| 35) Dibromofluoromethane      | 7.716     | 113            | 62419    | 48.774     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 54 - 147 | Recovery | = 97.540%  |        |          |
| 50) Toluene-d8                | 10.179    | 98             | 249997   | 51.850     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 49 - 140 | Recovery | = 103.700% |        |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95             | 79100    | 46.501     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 25 - 144 | Recovery | = 93.000%  |        |          |
| Target Compounds              |           |                |          |            |        |          |
| 10) Methyl Iodide             | 4.095     | 142            | 279      | 1.877      | ug/l # | 45       |
| 16) Acetone                   | 3.936     | 43             | 563      | 2.194      | ug/l # | 47       |
| 18) Methyl Acetate            | 4.485     | 43             | 155      | Below Cal  | #      | 56       |
| 20) Methylene Chloride        | 4.716     | 84             | 11490    | 4.524      | ug/l # | 79       |
| 31) Cyclohexane               | 7.789     | 56             | 2111     | 1.006      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789     | 75             | 8687     | 4.321      | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.789     | 117            | 10942    | 4.995      | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75             | 41139    | 40.351     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75             | 41139    | 90.030     | ug/l # | 7        |
| -----                         |           |                |          |            |        |          |

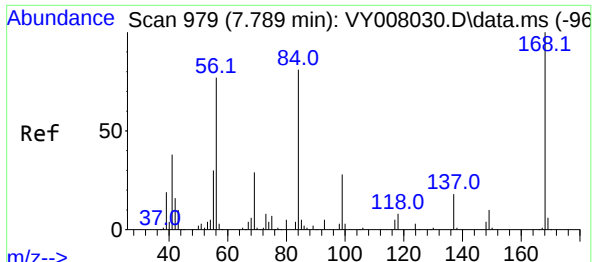
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VY0406SBL01

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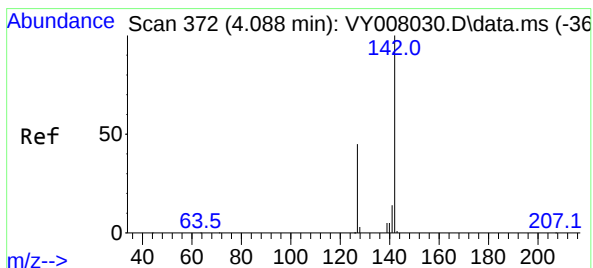
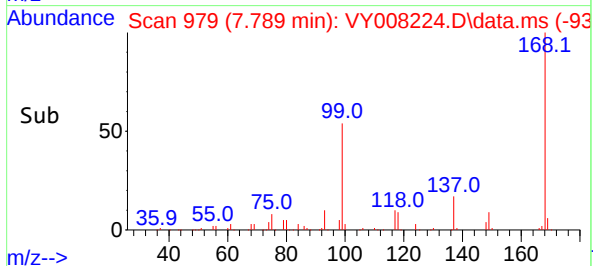
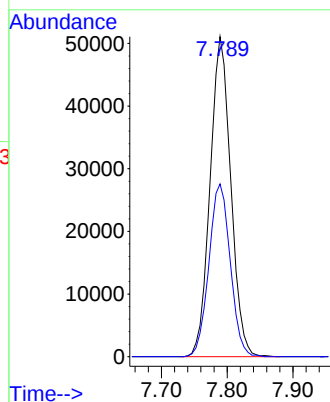
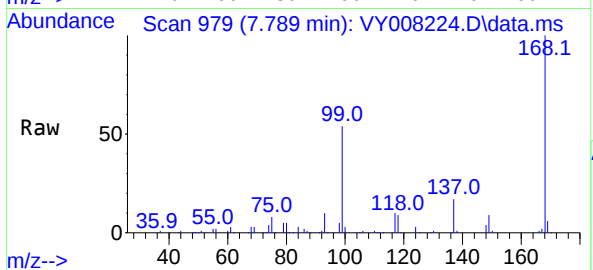




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

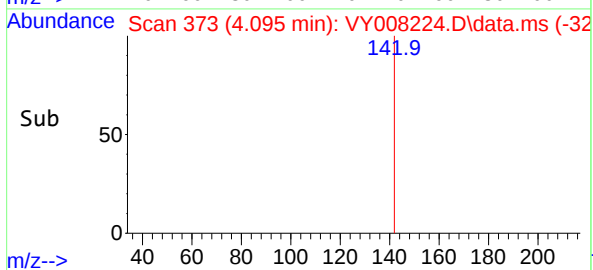
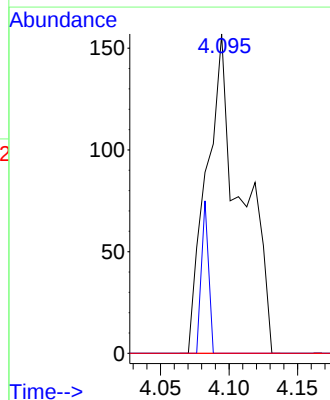
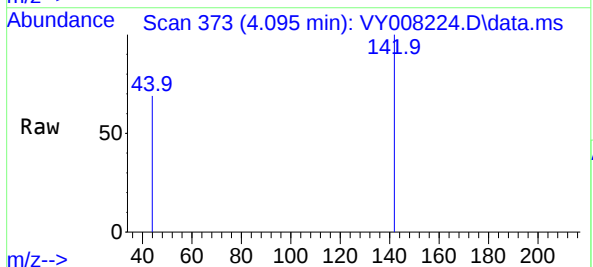
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0406SBL01

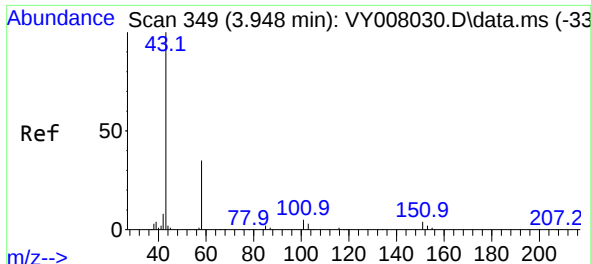
Tgt Ion:168 Resp: 111895  
Ion Ratio Lower Upper  
168 100  
99 54.0 46.9 70.3



#10  
Methyl Iodide  
Concen: 1.877 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. 0.007 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

Tgt Ion:142 Resp: 279  
Ion Ratio Lower Upper  
142 100  
127 9.7 41.5 62.3#  
141 0.0 11.9 17.9#

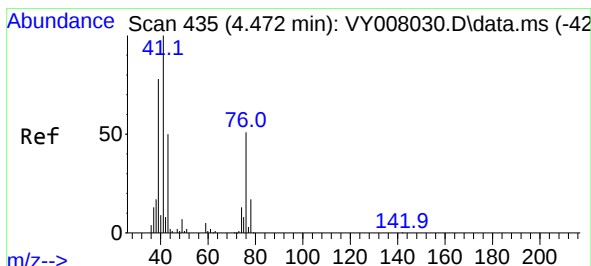
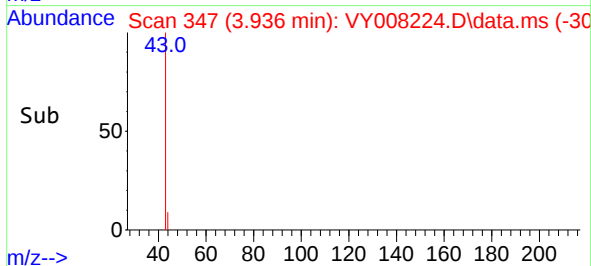
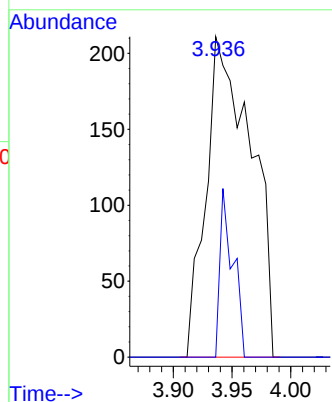
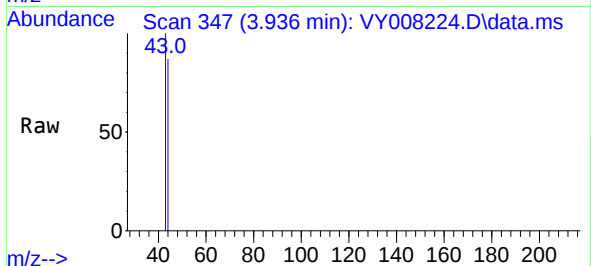




#16  
Acetone  
Concen: 2.194 ug/l  
RT: 3.936 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

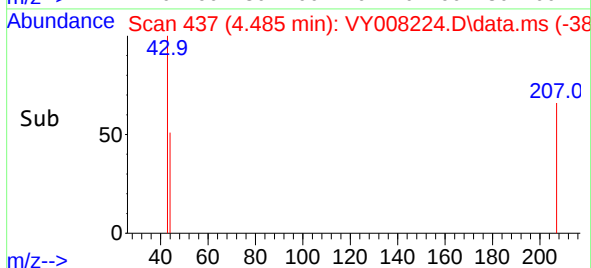
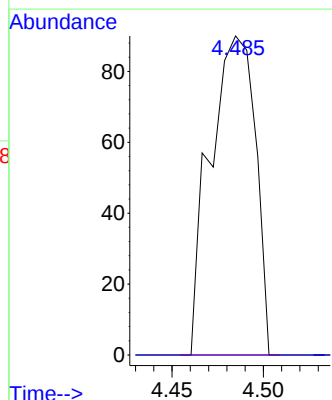
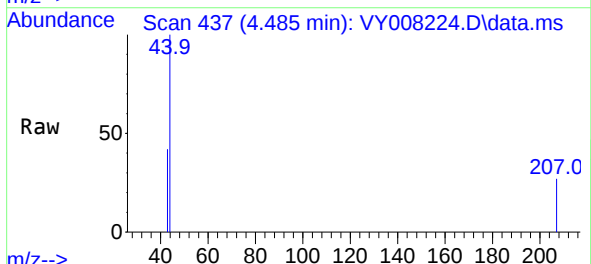
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0406SBL01

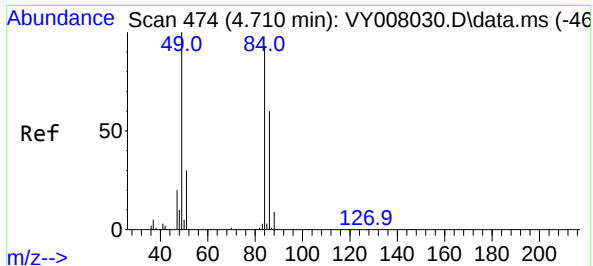
Tgt Ion: 43 Resp: 563  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.485 min Scan# 437  
Delta R.T. 0.013 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

Tgt Ion: 43 Resp: 155  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#

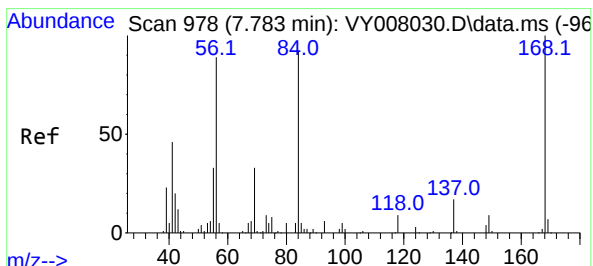
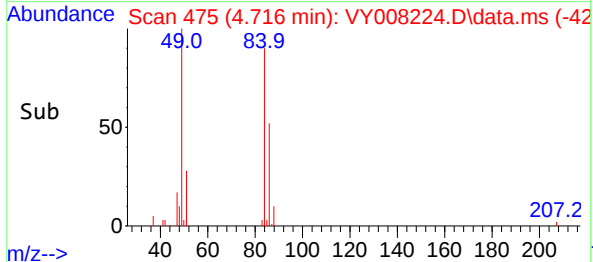
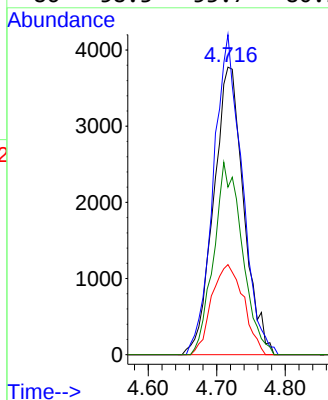
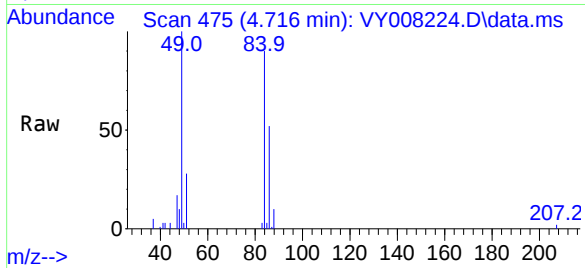




#20  
Methylene Chloride  
Concen: 4.524 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

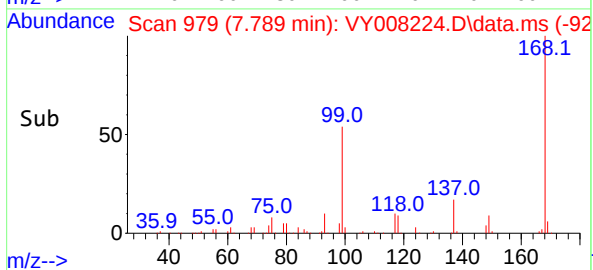
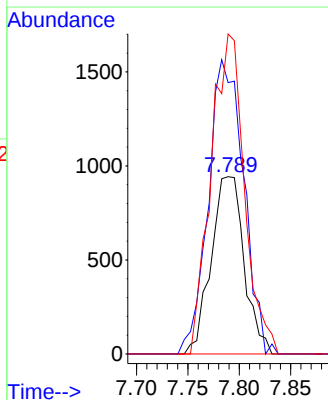
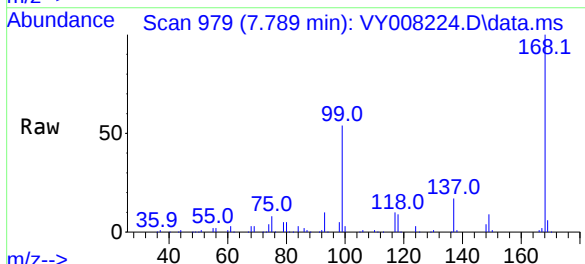
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0406SBL01

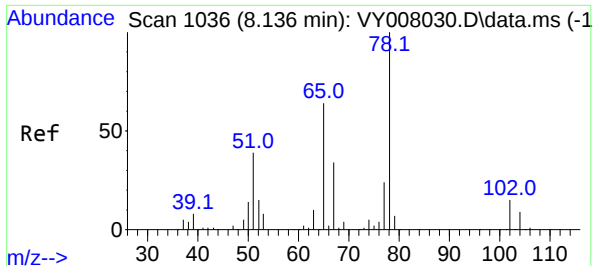
Tgt Ion: 84 Resp: 11490  
Ion Ratio Lower Upper  
84 100  
49 111.3 114.4 171.6#  
51 31.3 35.3 52.9#  
86 58.3 53.7 80.5



#31  
Cyclohexane  
Concen: 1.006 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

Tgt Ion: 56 Resp: 2111  
Ion Ratio Lower Upper  
56 100  
69 153.0 26.7 40.1#  
84 180.5 67.2 100.8#

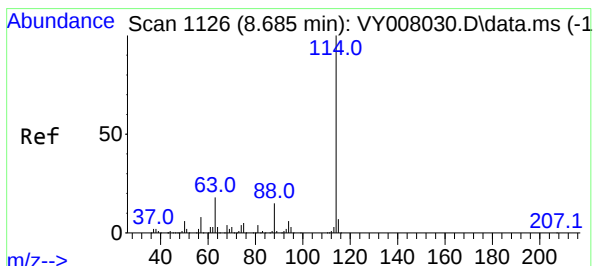
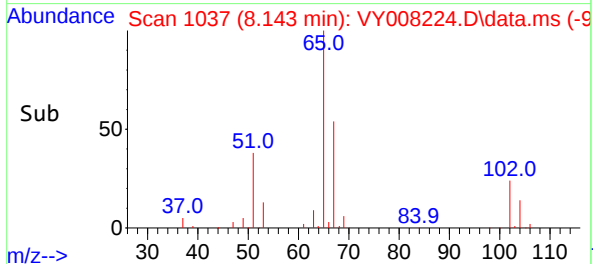
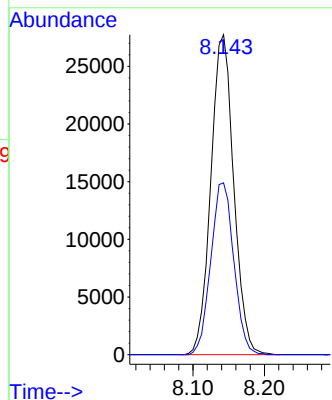
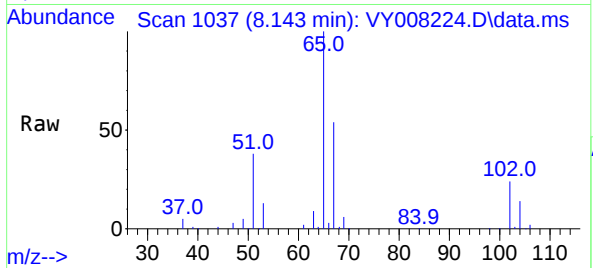




#33  
1,2-Dichloroethane-d4  
Concen: 54.899 ug/l  
RT: 8.143 min Scan# 1036  
Delta R.T. 0.007 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

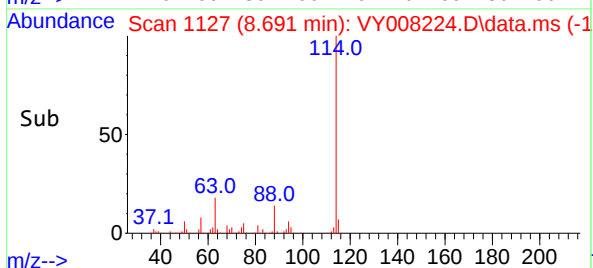
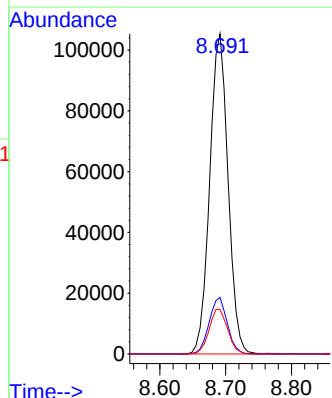
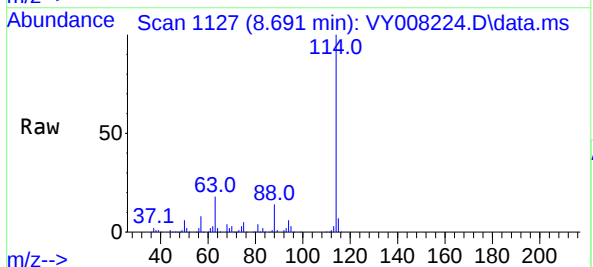
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0406SBL01

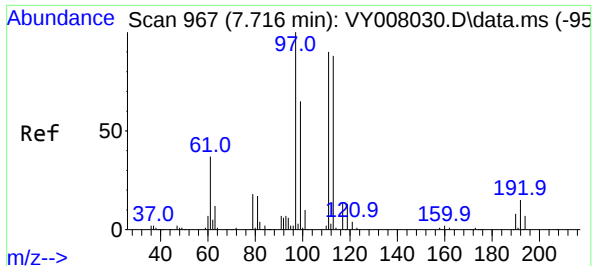
Tgt Ion: 65 Resp: 61632  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 99.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

Tgt Ion: 114 Resp: 204118  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 43.2  
88 14.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.774 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY008224.D

Acq: 06 Apr 2022 11:03

Instrument :

MSVOA\_Y

ClientSampleId :

VY0406SBL01

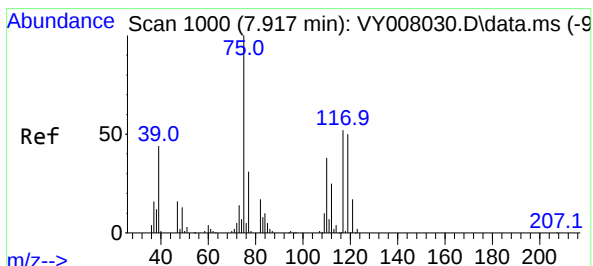
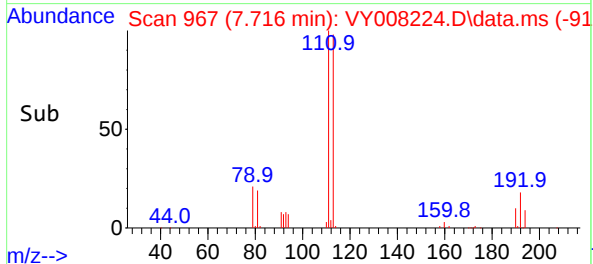
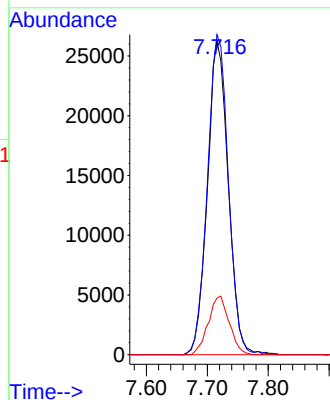
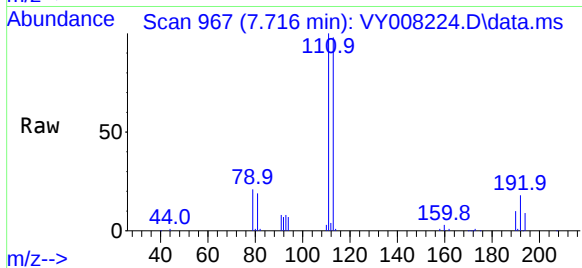
Tgt Ion:113 Resp: 62419

Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 18.8 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.321 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY008224.D

Acq: 06 Apr 2022 11:03

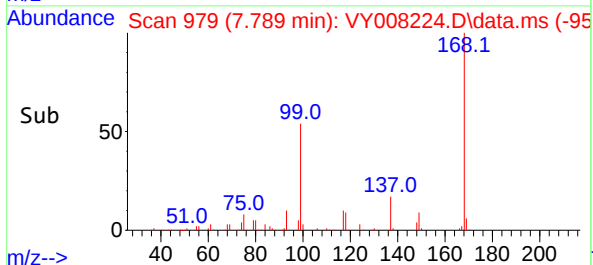
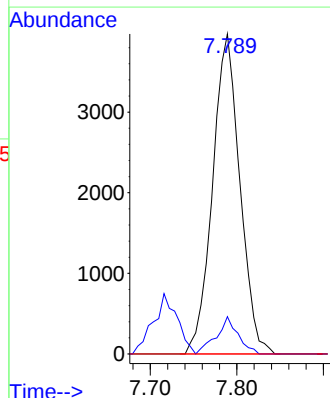
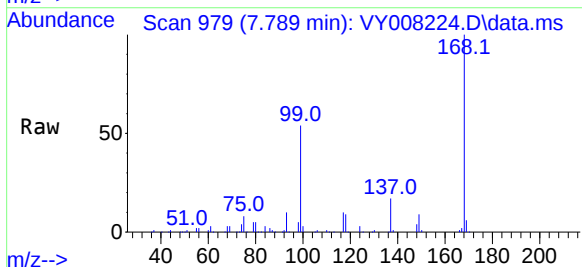
Tgt Ion: 75 Resp: 8687

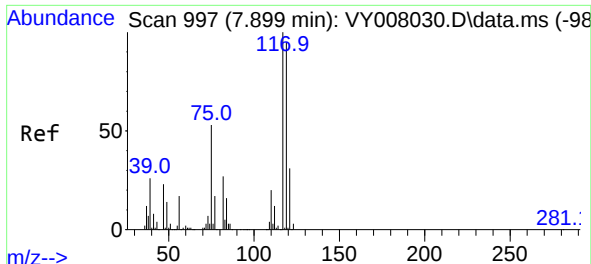
Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#

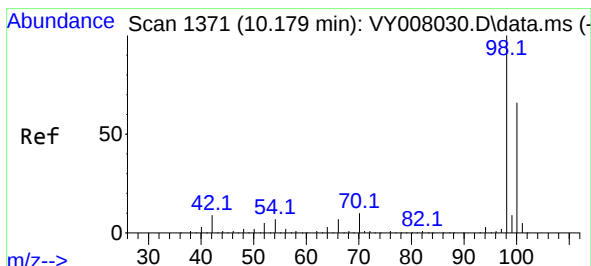
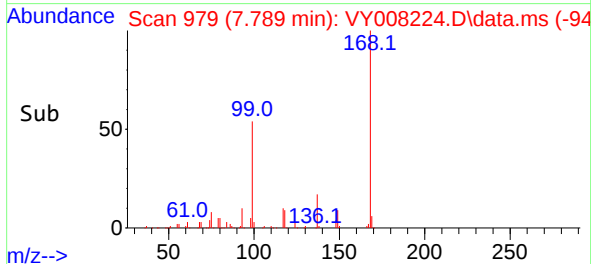
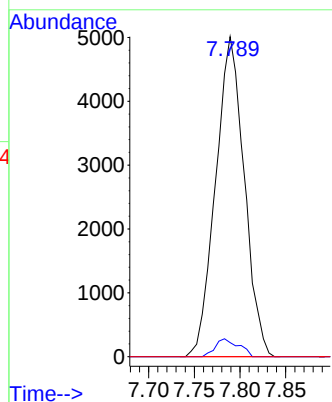
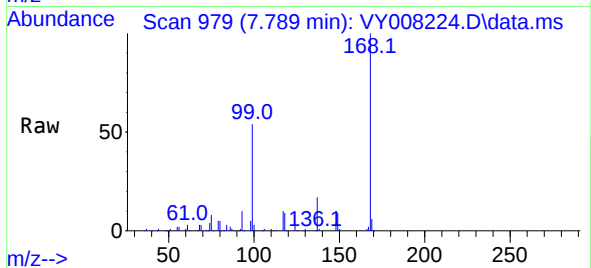




#38  
Carbon Tetrachloride  
Concen: 4.995 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

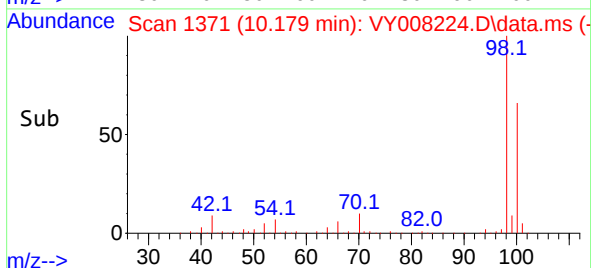
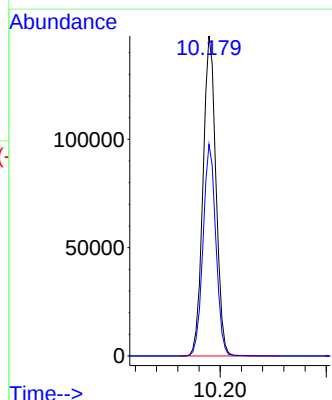
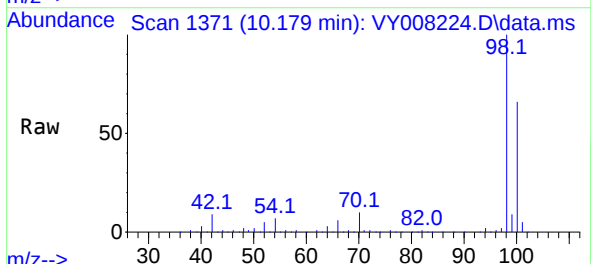
Instrument :  
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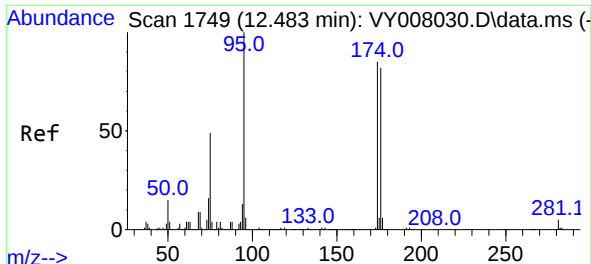
Tgt Ion:117 Resp: 10942  
Ion Ratio Lower Upper  
117 100  
119 4.4 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 51.850 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

Tgt Ion: 98 Resp: 249997  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2

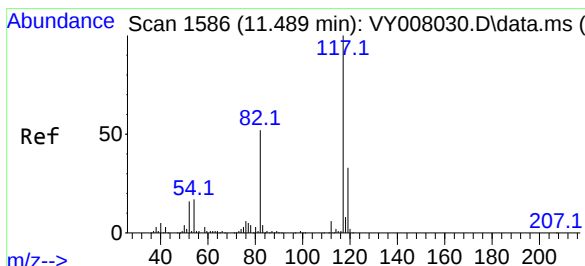
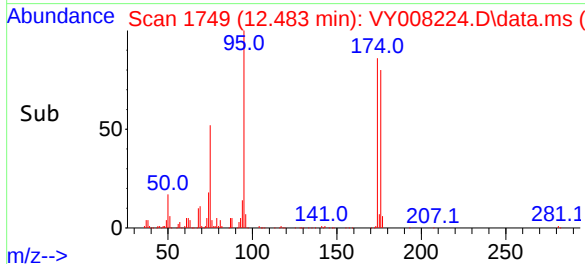
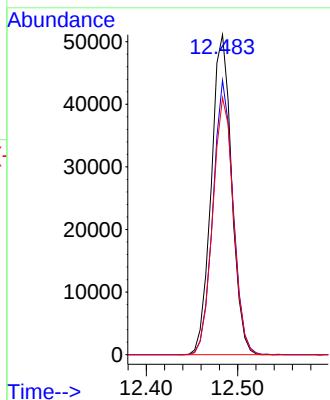
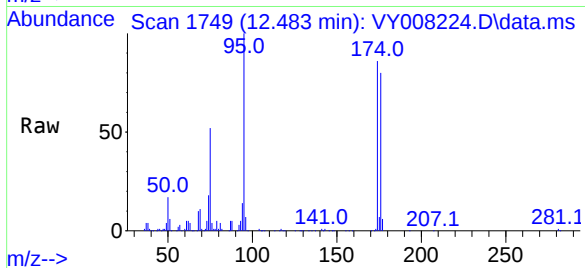




#62  
4-Bromofluorobenzene  
Concen: 46.501 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

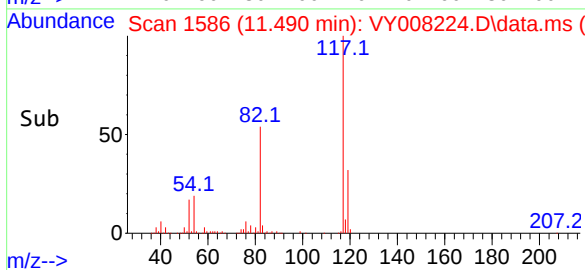
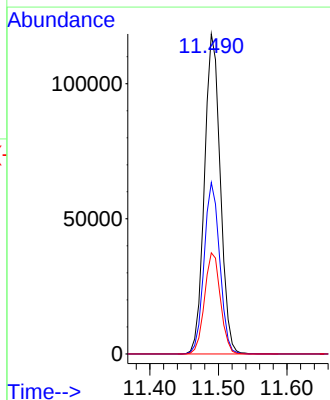
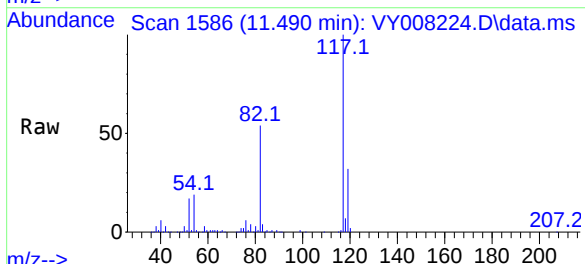
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0406SBL01

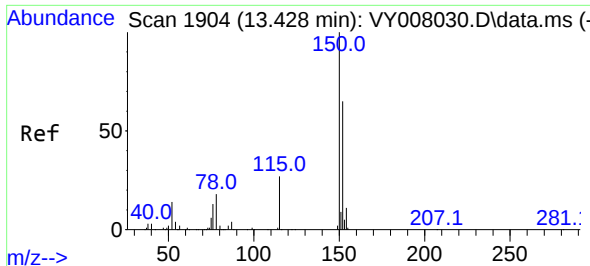
Tgt Ion: 95 Resp: 79100  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 177.0  
176 81.4 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

Tgt Ion: 117 Resp: 190385  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.0 64.4  
119 31.6 25.4 38.0

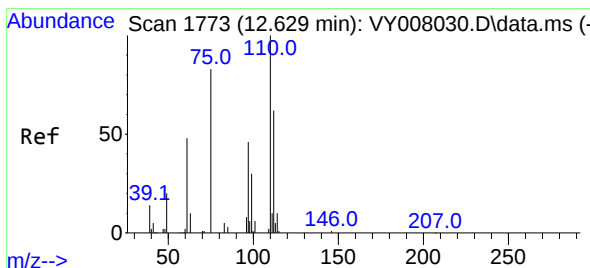
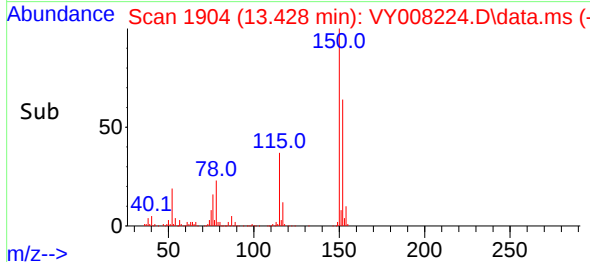
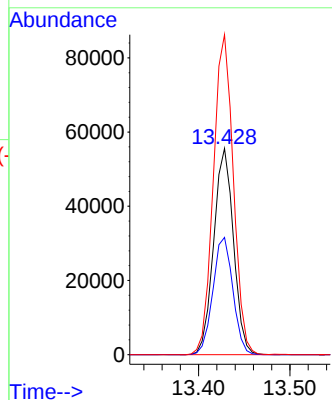
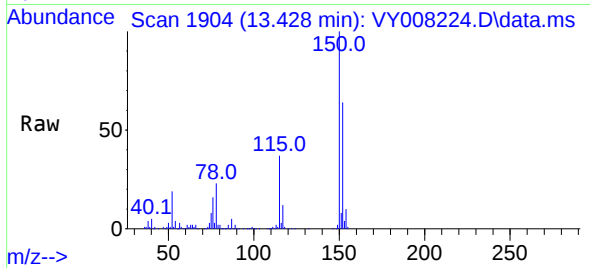




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY008224.D  
 Acq: 06 Apr 2022 11:03

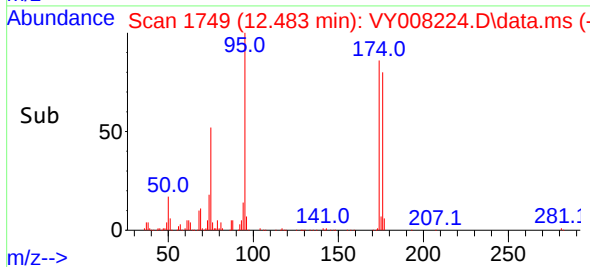
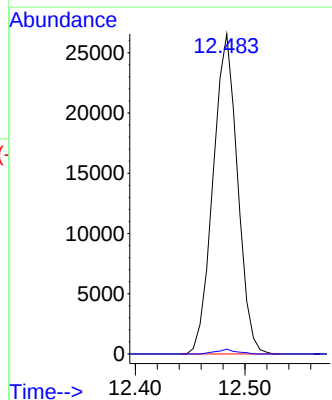
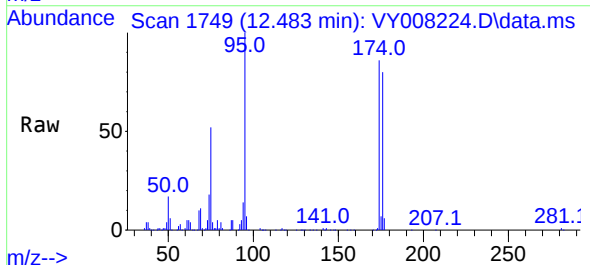
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0406SBL01

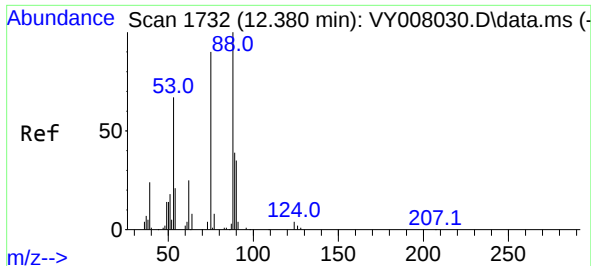
Tgt Ion:152 Resp: 83636  
 Ion Ratio Lower Upper  
 152 100  
 115 57.4 28.2 84.7  
 150 156.8 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 40.351 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.146 min  
 Lab File: VY008224.D  
 Acq: 06 Apr 2022 11:03

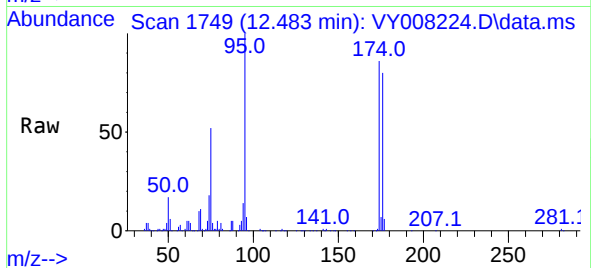
Tgt Ion: 75 Resp: 41139  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.030 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.103 min  
Lab File: VY008224.D  
Acq: 06 Apr 2022 11:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0406SBL01



Tgt Ion: 75 Resp: 41139  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.1 37.0 55.4#

