

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040422\  
 Data File : VY008189.D  
 Acq On : 04 Apr 2022 18:36  
 Operator : SY/MD  
 Sample : N2237-06  
 Misc : 4.64g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 05 04:43:12 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

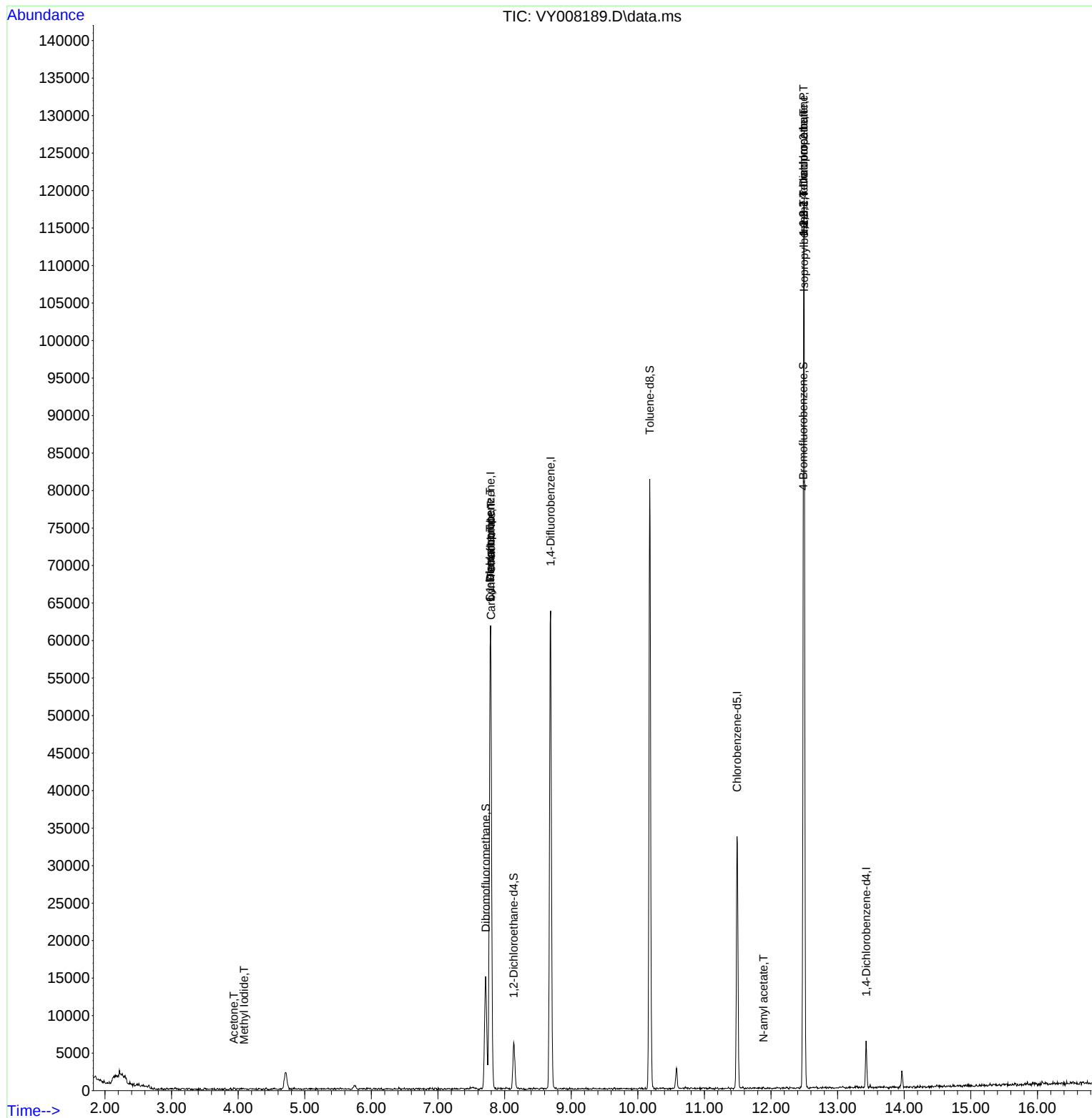
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 49295    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 58033    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 19734    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 1684     | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.137  | 65    | 4632     | 9.366     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 18.740%# |
| 35) Dibromofluoromethane      | 7.716  | 113   | 10689    | 29.377    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 58.760%  |
| 50) Toluene-d8                | 10.179 | 98    | 54931    | 40.072    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 80.140%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 3810     | 7.878     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 15.760%# |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 10) Methyl Iodide             | 4.088  | 142   | 50       | 1.771     | ug/l # | 35       |
| 16) Acetone                   | 3.936  | 43    | 163      | 1.442     | ug/l # | 47       |
| 20) Methylene Chloride        | 4.710  | 84    | 1874     | Below Cal | #      | 78       |
| 31) Cyclohexane               | 7.783  | 56    | 932      | 1.008     | ug/l # | 2        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 3953     | 6.916     | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 4981     | 7.997     | ug/l # | 15       |
| 73) Isopropylbenzene          | 12.495 | 105   | 353      | 2.540     | ug/l   | 83       |
| 74) N-amyl acetate            | 11.886 | 43    | 57       | 1.865     | ug/l # | 47       |
| 75) 1,1,2,2-Tetrachloroethane | 12.489 | 83    | 44       | 1.629     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75    | 2972     | 144.777   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75    | 2972     | 323.022   | ug/l # | 14       |
| -----                         |        |       |          |           |        |          |

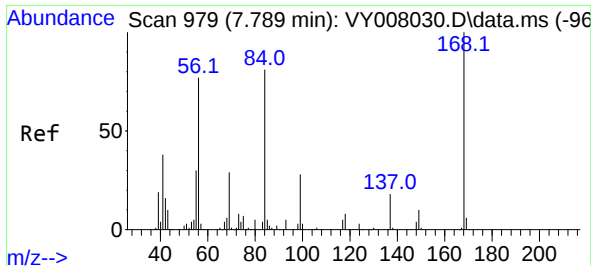
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N2237-06  
Misc : 4.64g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

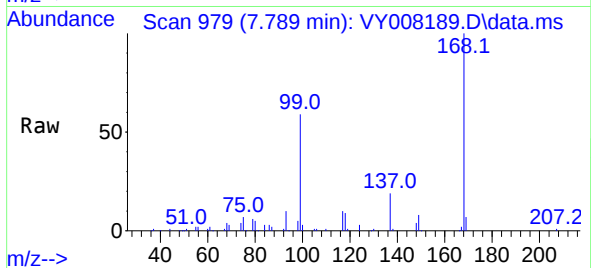
Quant Time: Apr 05 04:43:12 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032522S.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 26 03:24:51 2022  
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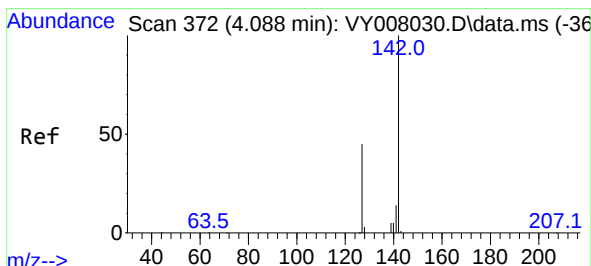
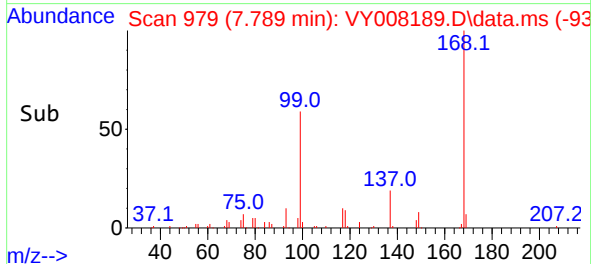
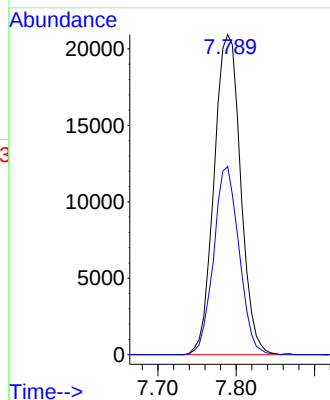


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

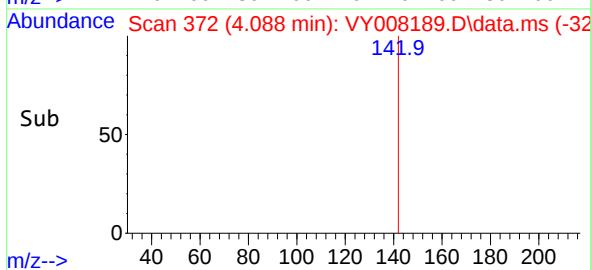
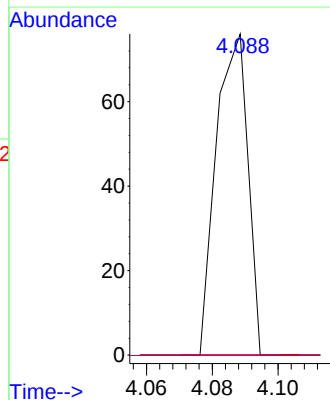
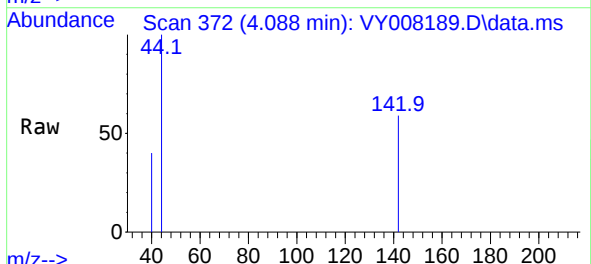


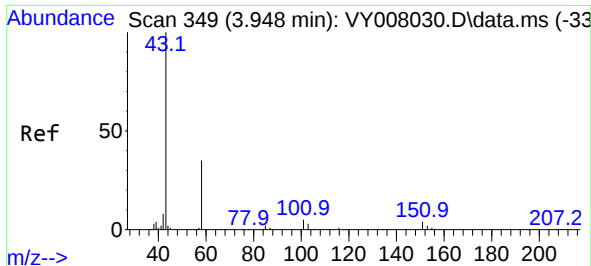
Tgt Ion:168 Resp: 49295  
Ion Ratio Lower Upper  
168 100  
99 58.8 46.9 70.3



#10  
Methyl Iodide  
Concen: 1.771 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. 0.000 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

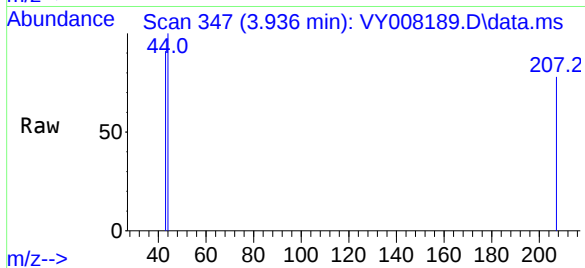
Tgt Ion:142 Resp: 50  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.5 62.3#  
141 0.0 11.9 17.9#



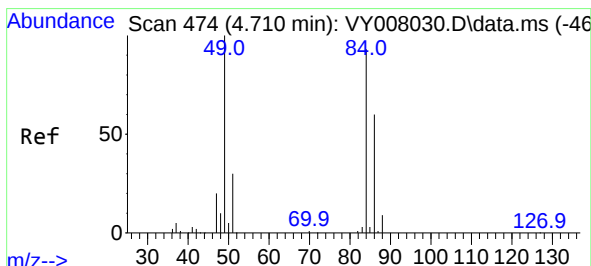
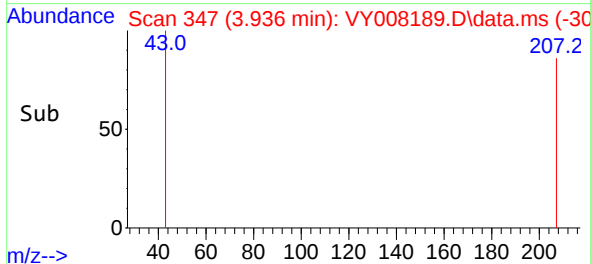
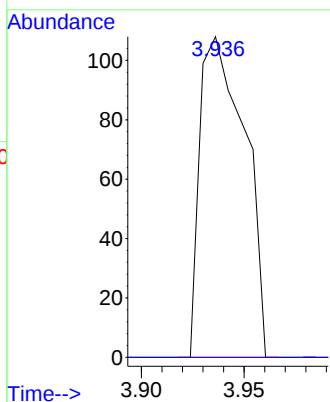


#16  
Acetone  
Concen: 1.442 ug/l  
RT: 3.936 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

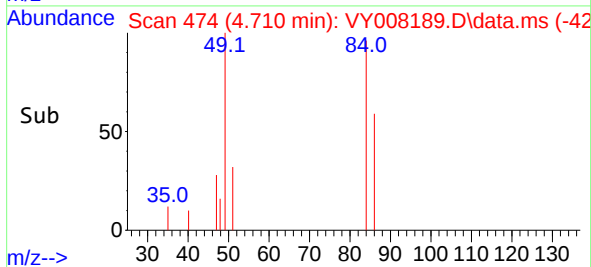
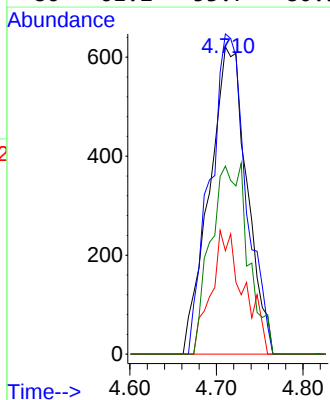
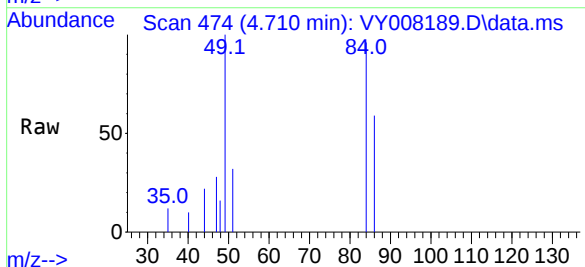


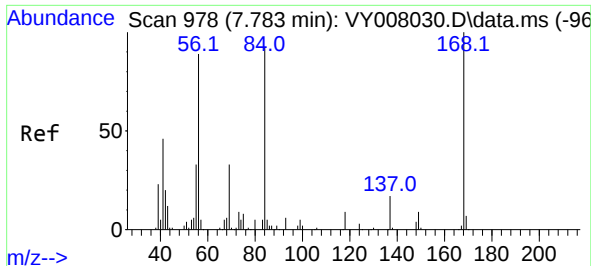
Tgt Ion: 43 Resp: 163  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

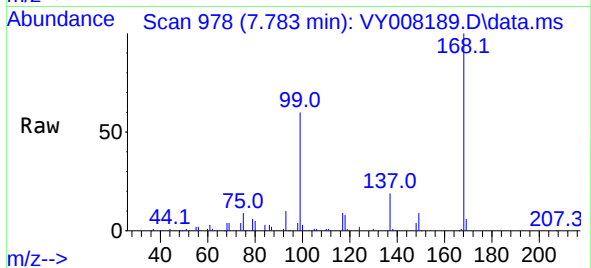
Tgt Ion: 84 Resp: 1874  
Ion Ratio Lower Upper  
84 100  
49 104.2 114.4 171.6#  
51 33.7 35.3 52.9#  
86 61.2 53.7 80.5



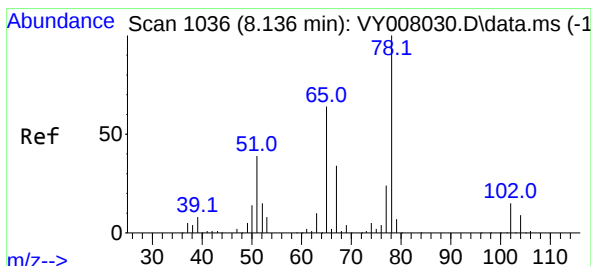
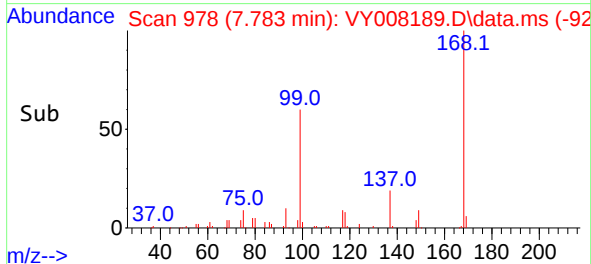
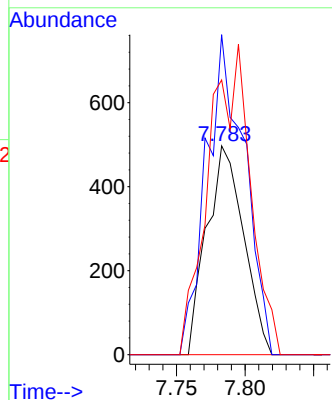


#31  
Cyclohexane  
Concen: 1.008 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

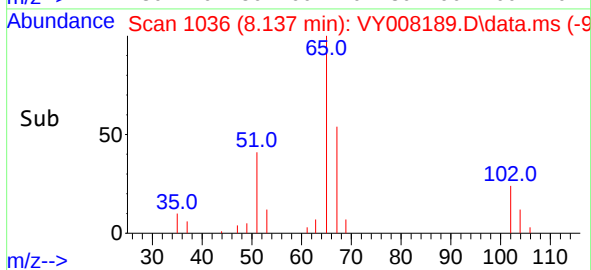
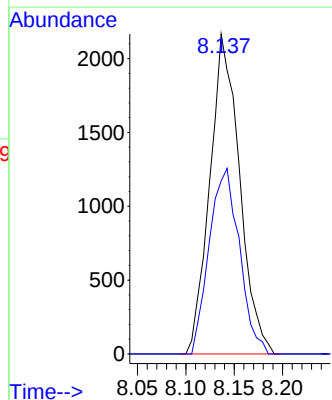
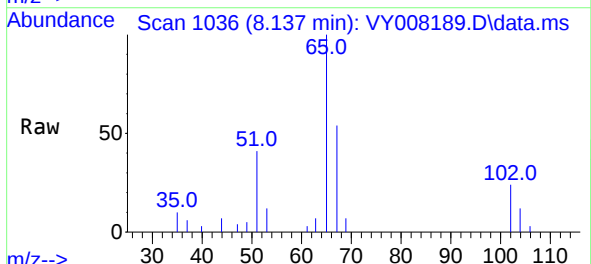


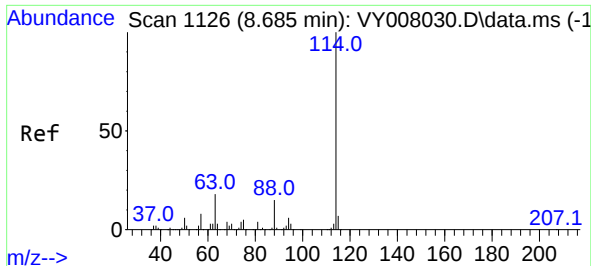
Tgt Ion: 56 Resp: 932  
Ion Ratio Lower Upper  
56 100  
69 153.3 26.7 40.1#  
84 131.6 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 9.366 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.001 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

Tgt Ion: 65 Resp: 4632  
Ion Ratio Lower Upper  
65 100  
67 58.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY008189.D

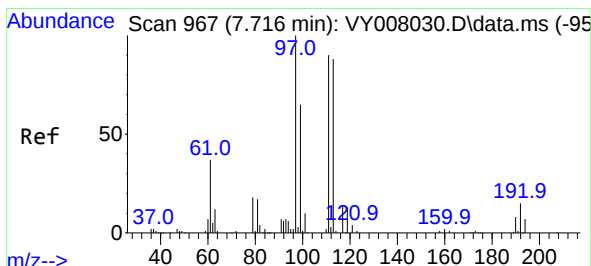
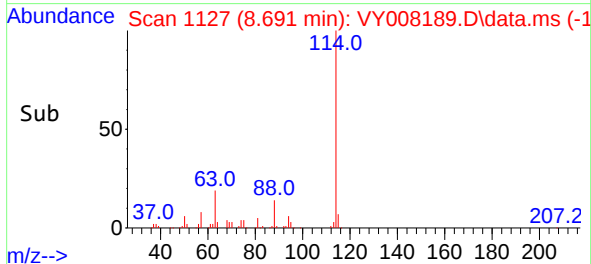
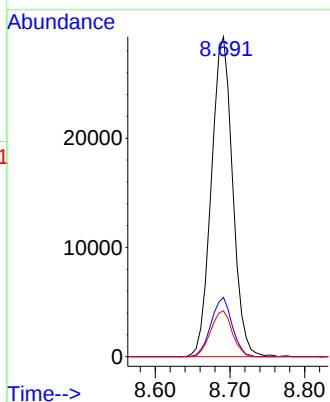
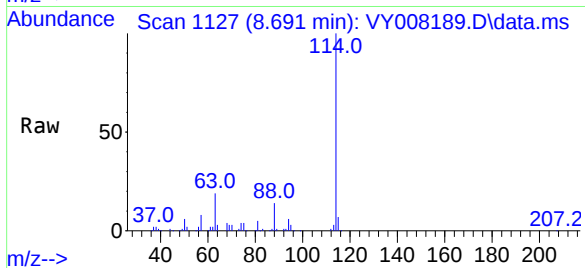
Acq: 04 Apr 2022 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 58033       |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 18.6  | 0.0 43.2    |
| 88          | 14.3  | 0.0 31.8    |



#35

Dibromofluoromethane

Concen: 29.377 ug/l

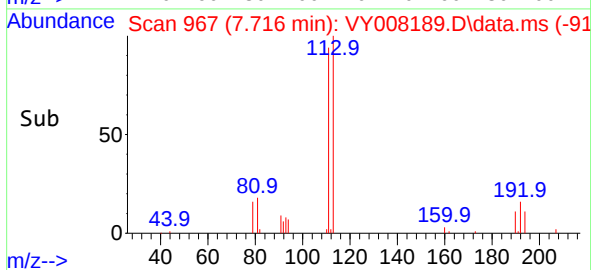
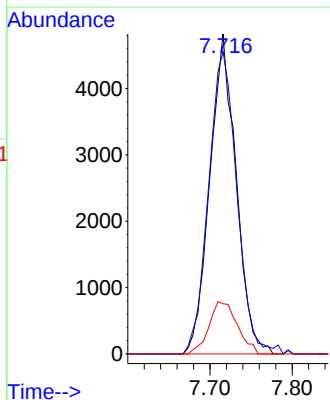
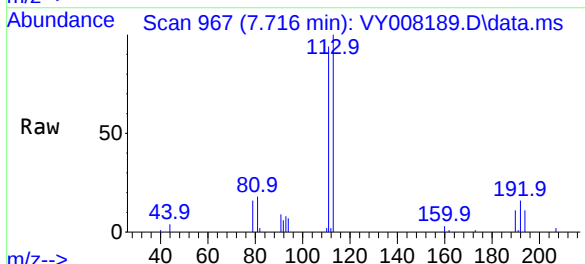
RT: 7.716 min Scan# 967

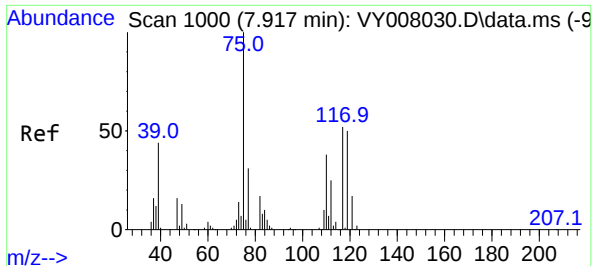
Delta R.T. -0.000 min

Lab File: VY008189.D

Acq: 04 Apr 2022 18:36

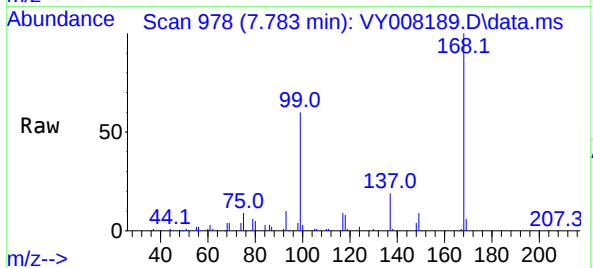
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 10689       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 102.2 | 82.6 124.0  |
| 192         | 17.7  | 17.6 26.4   |



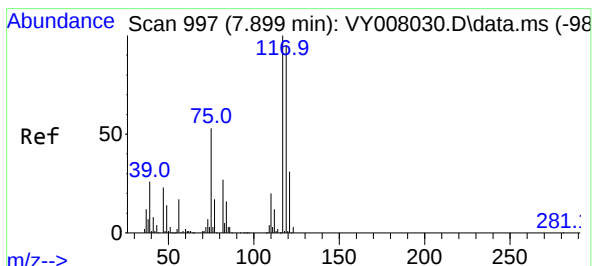
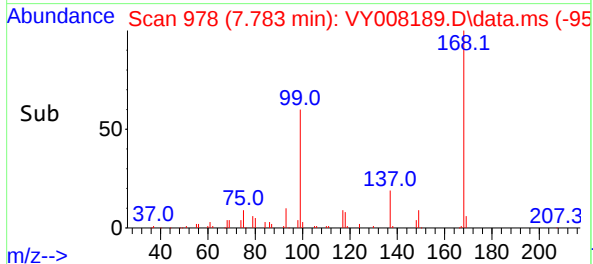
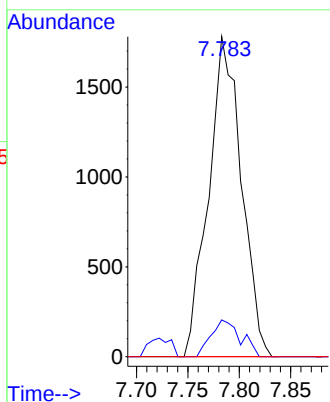


#36  
1,1-Dichloropropene  
Concen: 6.916 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

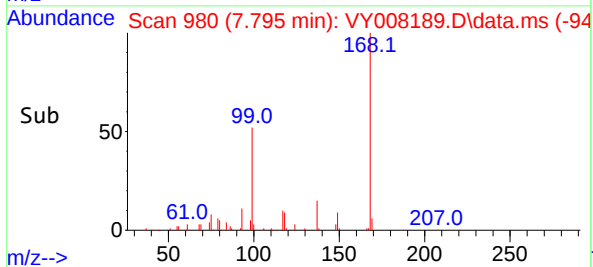
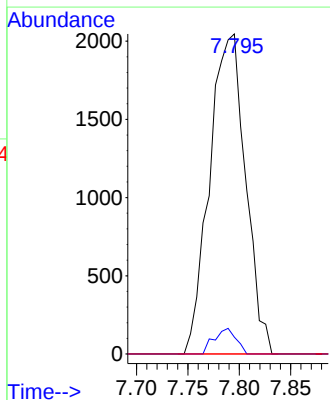
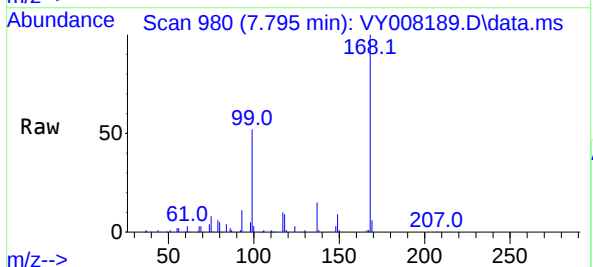


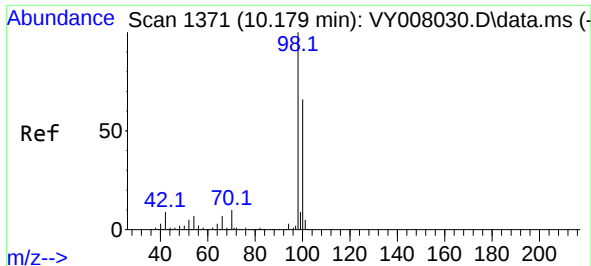
Tgt Ion: 75 Resp: 3953  
Ion Ratio Lower Upper  
75 100  
110 10.3 17.1 51.2#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 7.997 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.104 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

Tgt Ion: 117 Resp: 4981  
Ion Ratio Lower Upper  
117 100  
119 5.3 77.9 116.9#  
121 0.0 24.8 37.2#

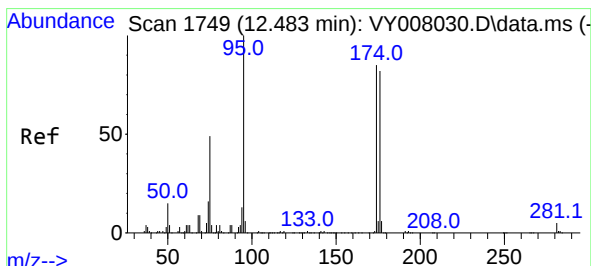
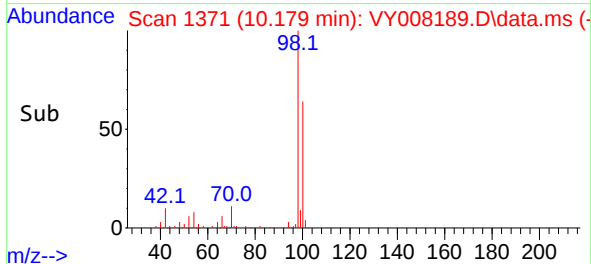
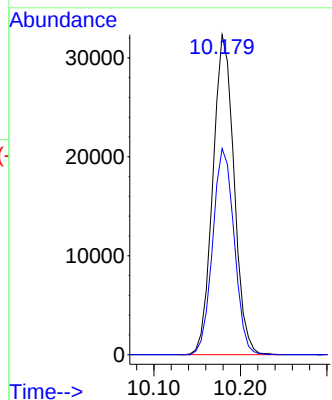
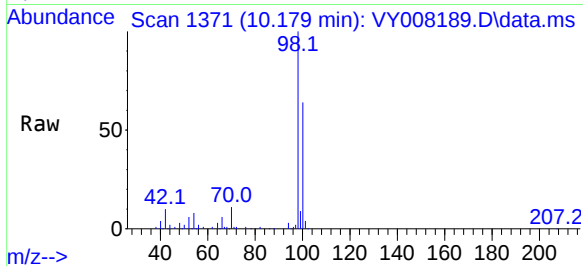




#50  
Toluene-d8  
Concen: 40.072 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

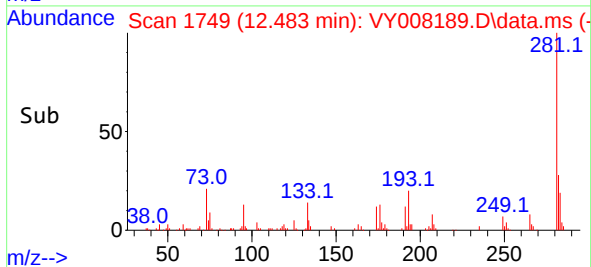
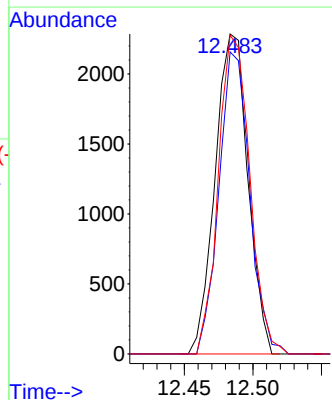
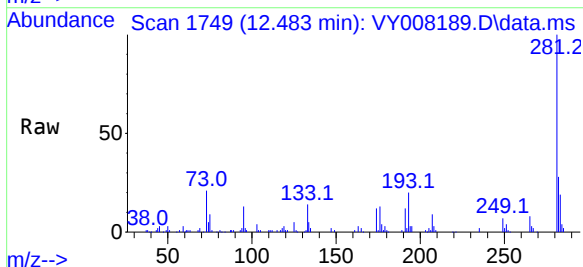
Instrument :  
MSVOA\_Y  
ClientSampleId :

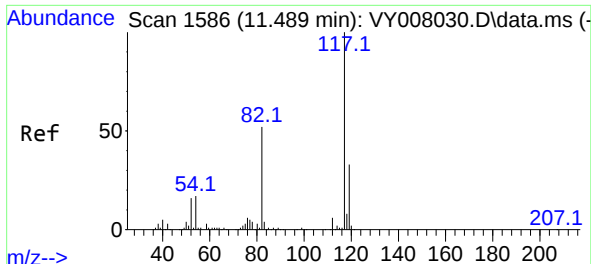
Tgt Ion: 98 Resp: 54931  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 7.878 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

Tgt Ion: 95 Resp: 3810  
Ion Ratio Lower Upper  
95 100  
174 88.1 0.0 177.0  
176 95.2 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

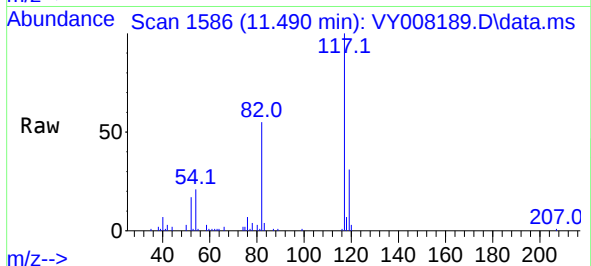
Lab File: VY008189.D

Acq: 04 Apr 2022 18:36

Instrument :

MSVOA\_Y

ClientSampleId :



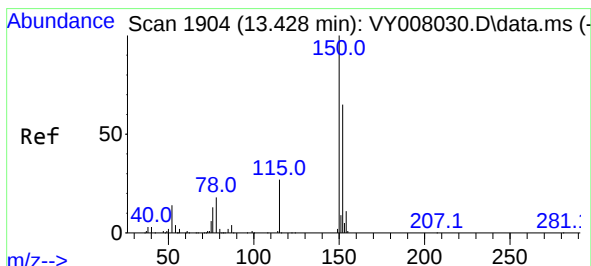
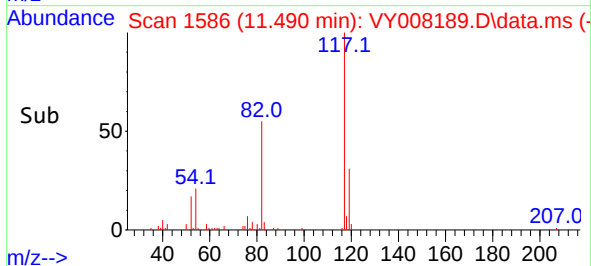
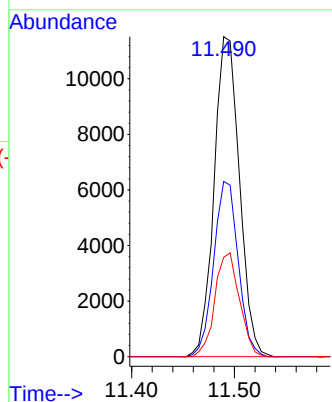
Tgt Ion:117 Resp: 19734

Ion Ratio Lower Upper

117 100

82 54.7 43.0 64.4

119 31.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008189.D

Acq: 04 Apr 2022 18:36

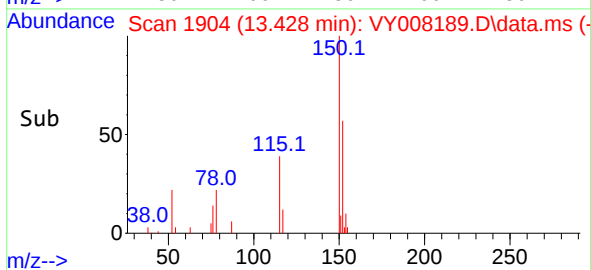
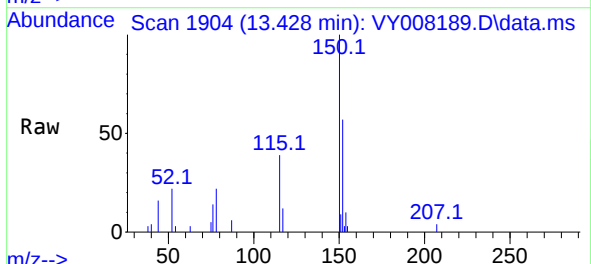
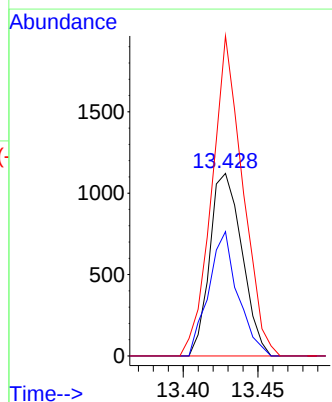
Tgt Ion:152 Resp: 1684

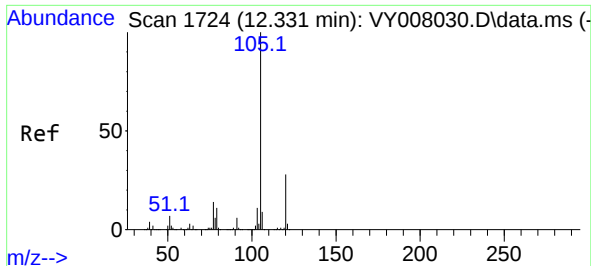
Ion Ratio Lower Upper

152 100

115 61.8 28.2 84.7

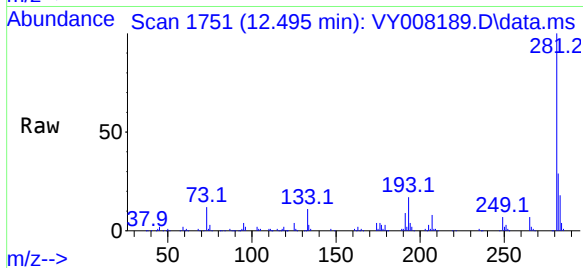
150 168.1 0.0 347.6



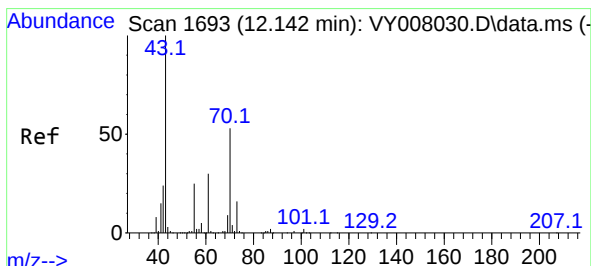
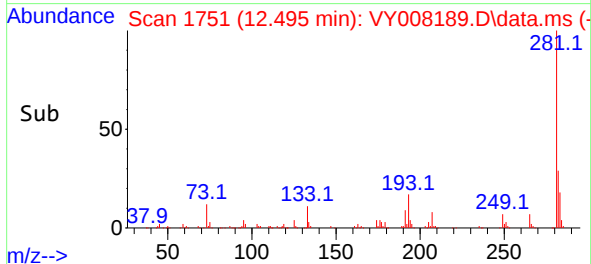
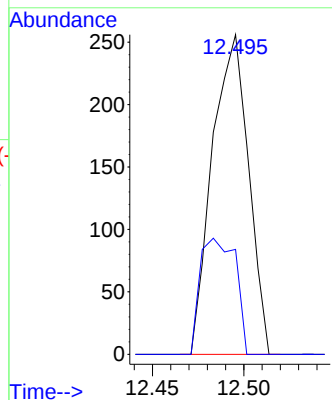


#73  
Isopropylbenzene  
Concen: 2.540 ug/l  
RT: 12.495 min Scan# 11  
Delta R.T. 0.164 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

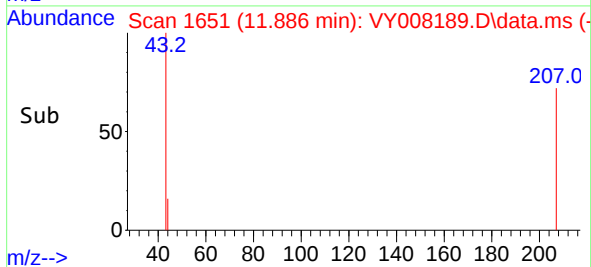
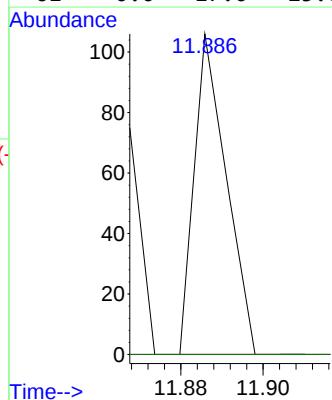
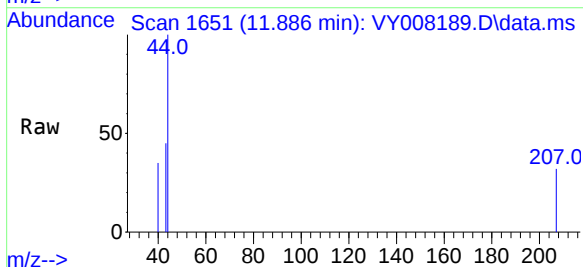


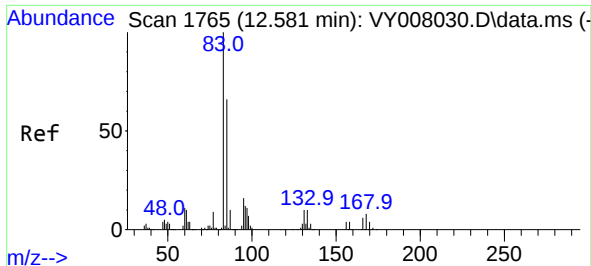
Tgt Ion:105 Resp: 353  
Ion Ratio Lower Upper  
105 100  
120 35.4 13.4 40.2



#74  
N-ethyl acetate  
Concen: 1.865 ug/l  
RT: 11.886 min Scan# 1651  
Delta R.T. -0.256 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

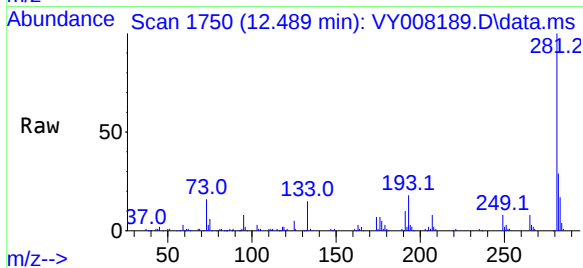
Tgt Ion: 43 Resp: 57  
Ion Ratio Lower Upper  
43 100  
70 0.0 28.7 43.1#  
55 0.0 17.3 25.9#  
61 0.0 17.0 25.6#



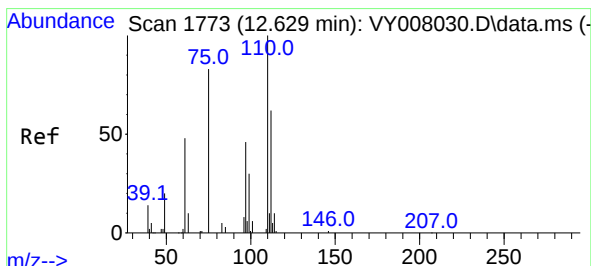
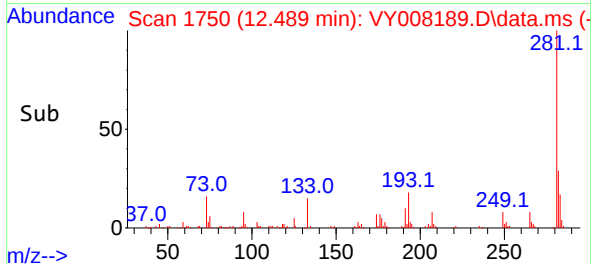
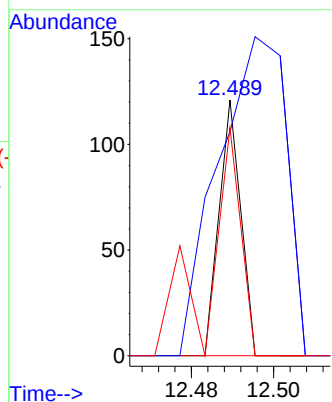


#75  
1,1,2,2-Tetrachloroethane  
Concen: 1.629 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.092 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

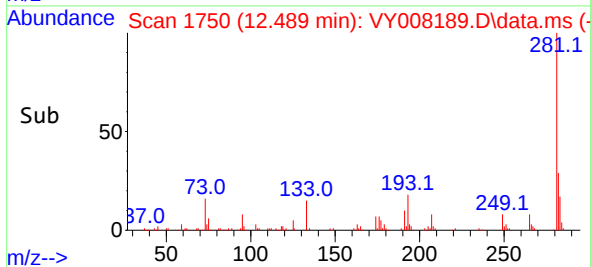
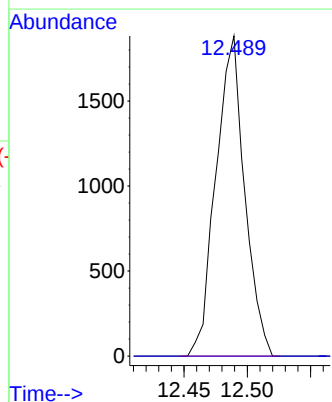
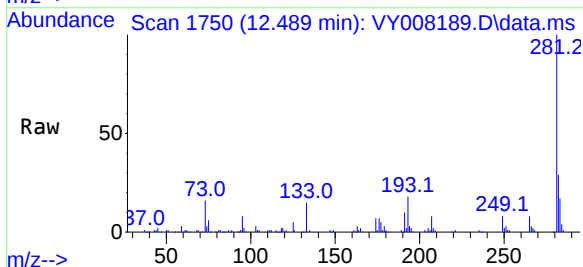


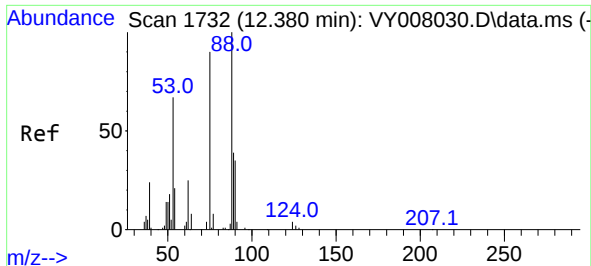
Tgt Ion: 83 Resp: 44  
Ion Ratio Lower Upper  
83 100  
131 393.2 5.6 16.8#  
85 134.1 32.3 96.8#



#76  
1,2,3-Trichloropropane  
Concen: 144.777 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.140 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

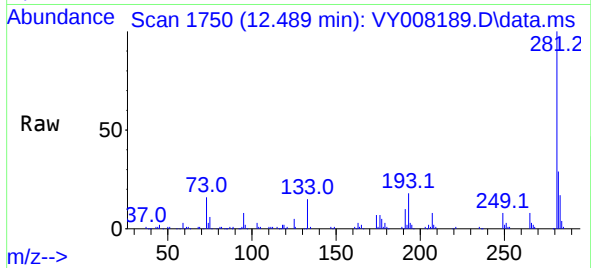
Tgt Ion: 75 Resp: 2972  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#81  
trans-1,4-Dichloro-2-butene  
Concen: 323.022 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. 0.109 min  
Lab File: VY008189.D  
Acq: 04 Apr 2022 18:36

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 2972  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 14.6 37.0 55.4#

