

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030222\  
 Data File : VY007687.D  
 Acq On : 02 Mar 2022 12:48  
 Operator : SY/MD  
 Sample : N1722-03  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Mar 03 00:34:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 01 09:08:03 2022  
 Response via : Initial Calibration

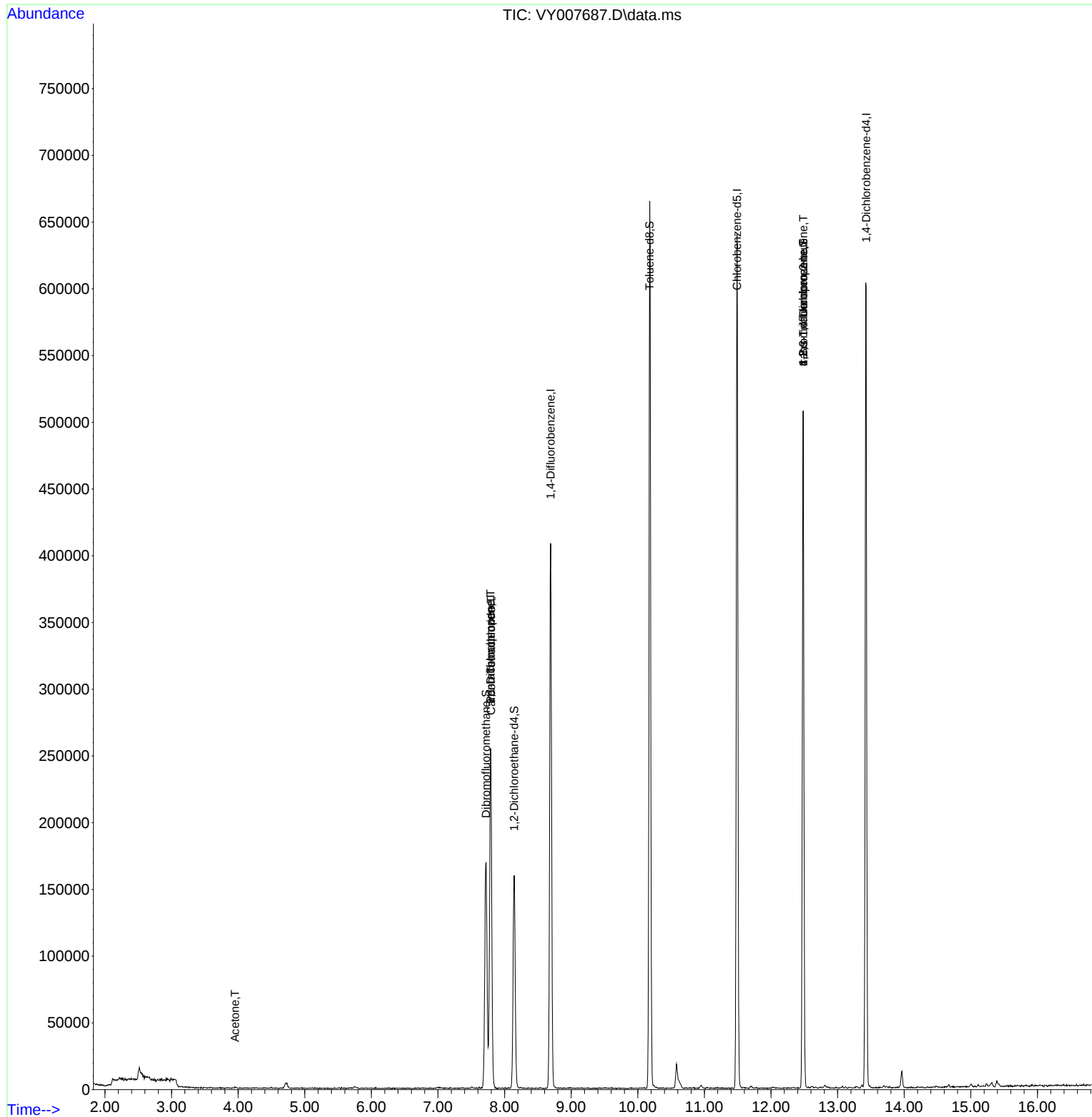
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 197500   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 354673   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 346631   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 149488   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65    | 121067   | 58.553    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 117.100% |          |
| 35) Dibromofluoromethane      | 7.722     | 113   | 118405   | 52.217    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 104.440% |          |
| 50) Toluene-d8                | 10.179    | 98    | 435670   | 52.195    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 104.400% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 137221   | 51.001    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 102.000% |          |
| Target Compounds              |           |       |          |           |            |          |
| 2) Dichlorodifluoromethane    | 2.101     | 85    | 40       | Below Cal | #          | 43       |
| 3) Chloromethane              | 2.113     | 50    | 1929     | Below Cal | #          | 85       |
| 13) Acrolein                  | 3.729     | 56    | 29       | Below Cal | #          | 1        |
| 16) Acetone                   | 3.954     | 43    | 1337     | 3.179     | ug/l       | 93       |
| 17) Carbon Disulfide          | 4.198     | 76    | 60       | Below Cal | #          | 75       |
| 18) Methyl Acetate            | 4.466     | 43    | 208      | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.722     | 84    | 2826     | Below Cal | #          | 72       |
| 31) Cyclohexane               | 7.789     | 56    | 4307     | Below Cal | #          | 5        |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 15203    | 4.262     | ug/l       | # 53     |
| 38) Carbon Tetrachloride      | 7.795     | 117   | 19376    | 5.092     | ug/l       | # 16     |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 77984    | 46.713    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 77984    | 95.499    | ug/l       | # 7      |
| -----                         |           |       |          |           |            |          |

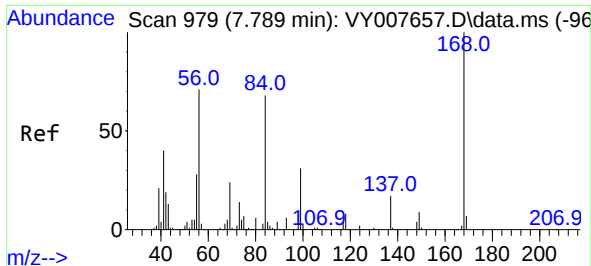
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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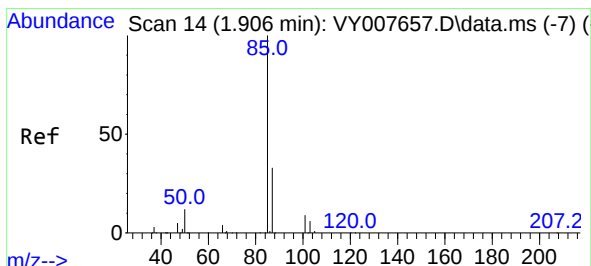
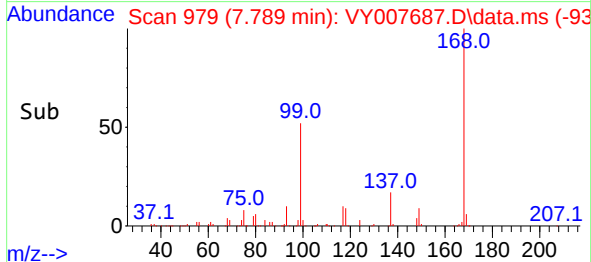
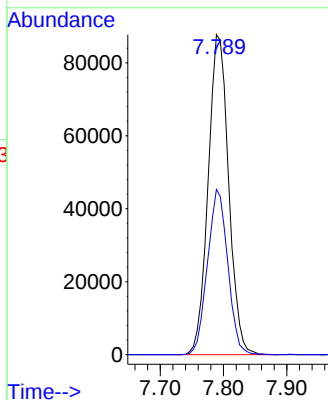
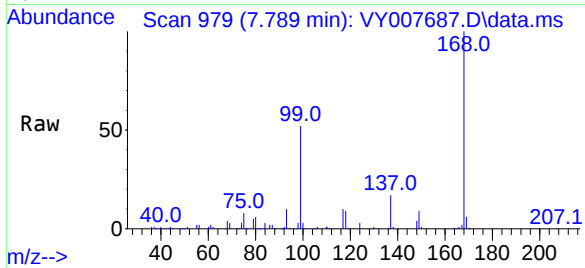




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007687.D  
Acq: 02 Mar 2022 12:48

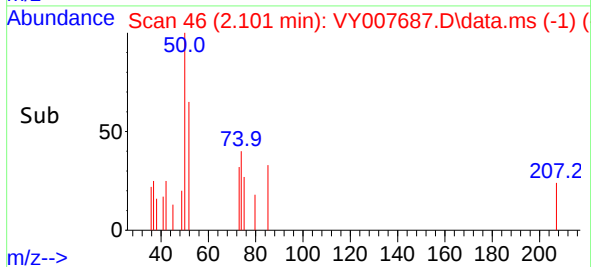
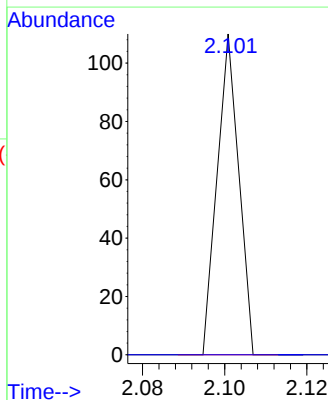
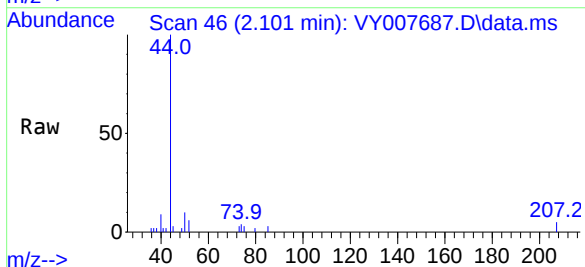
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 197500  
Ion Ratio Lower Upper  
168 100  
99 51.7 46.9 70.3

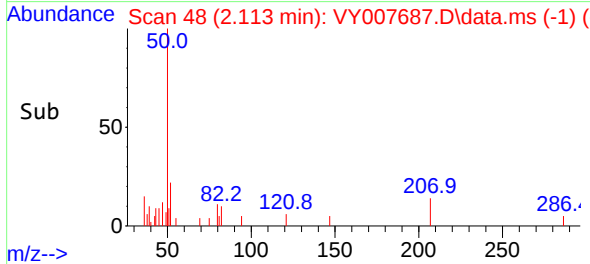
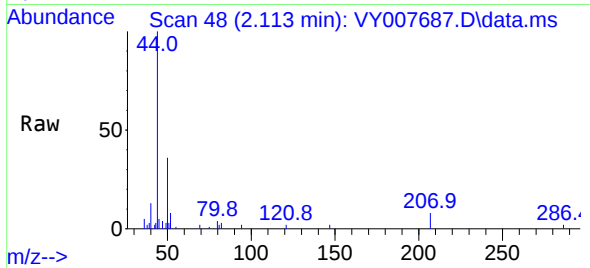
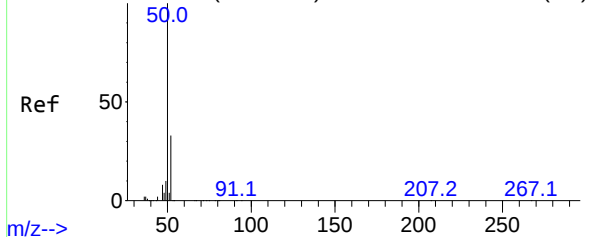


#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 2.101 min Scan# 46  
Delta R.T. 0.195 min  
Lab File: VY007687.D  
Acq: 02 Mar 2022 12:48

Tgt Ion: 85 Resp: 40  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY007687.D

Acq: 02 Mar 2022 12:48

Instrument :

MSVOA\_Y

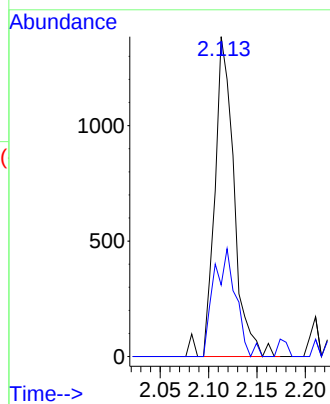
ClientSampleId :

Tgt Ion: 50 Resp: 1929

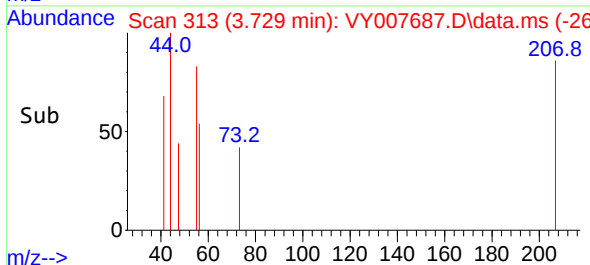
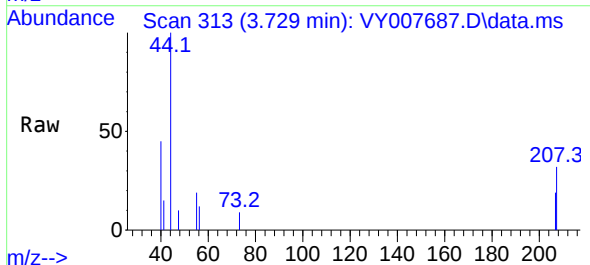
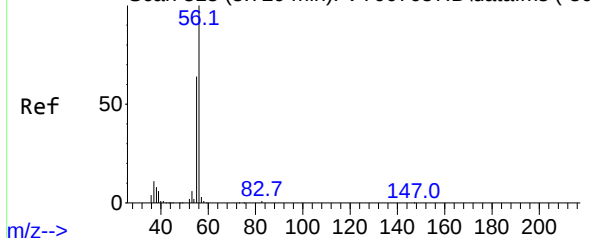
Ion Ratio Lower Upper

50 100

52 22.4 24.6 37.0#



Abundance Scan 313 (3.729 min): VY007657.D\data.ms (-30)



#13

Acrolein

Concen: Below Cal

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY007687.D

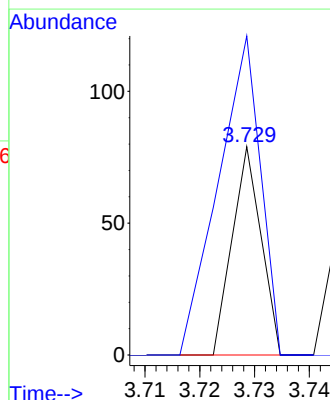
Acq: 02 Mar 2022 12:48

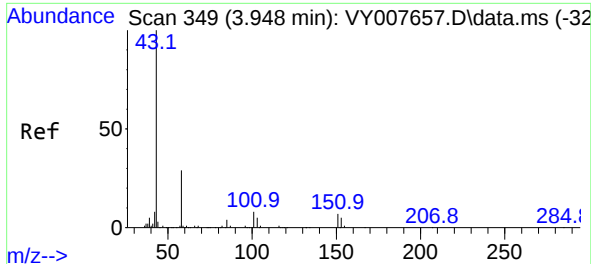
Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 224.1 57.6 86.4#





#16

Acetone

Concen: 3.179 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY007687.D

Acq: 02 Mar 2022 12:48

Instrument :

MSVOA\_Y

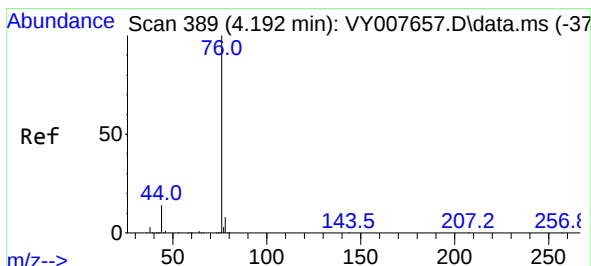
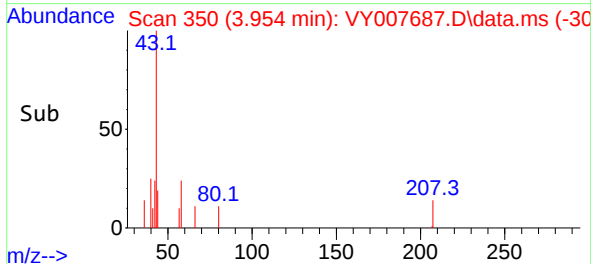
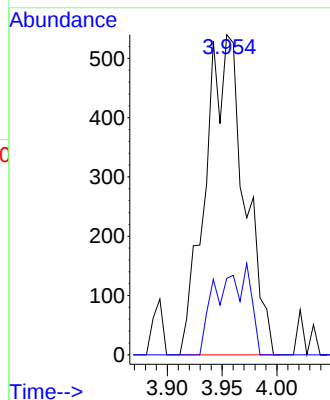
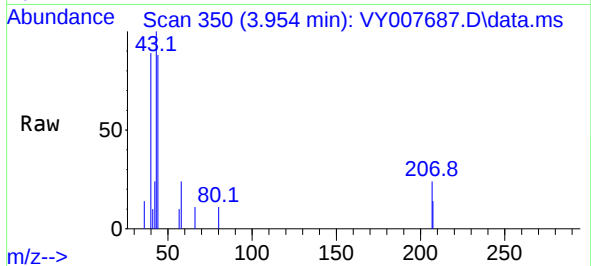
ClientSampleId :

Tgt Ion: 43 Resp: 1337

Ion Ratio Lower Upper

43 100

58 23.9 22.0 33.0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.198 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY007687.D

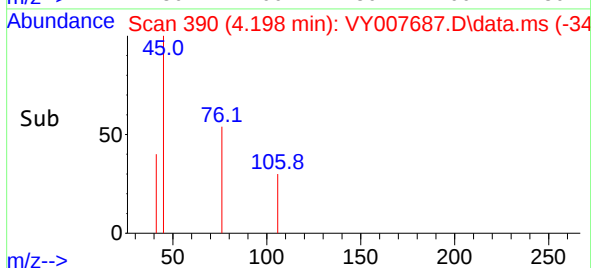
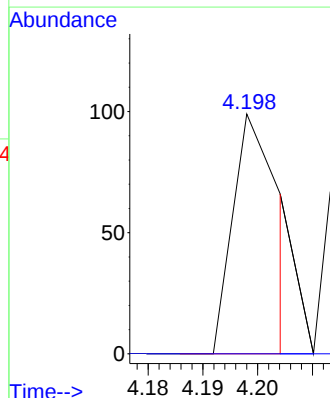
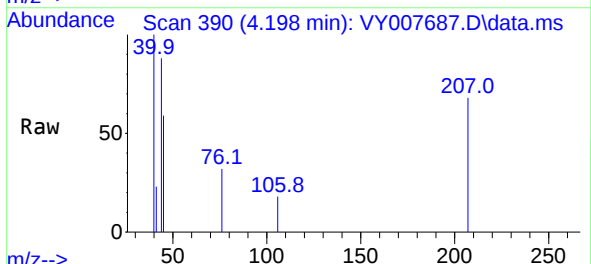
Acq: 02 Mar 2022 12:48

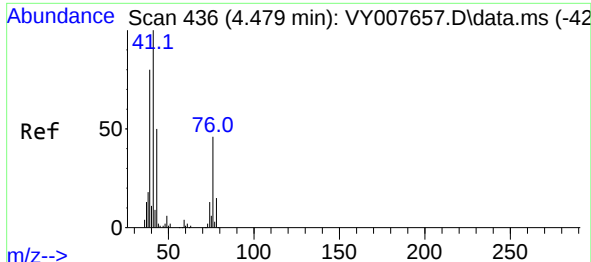
Tgt Ion: 76 Resp: 60

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 41

Delta R.T. -0.013 min

Lab File: VY007687.D

Acq: 02 Mar 2022 12:48

Instrument :

MSVOA\_Y

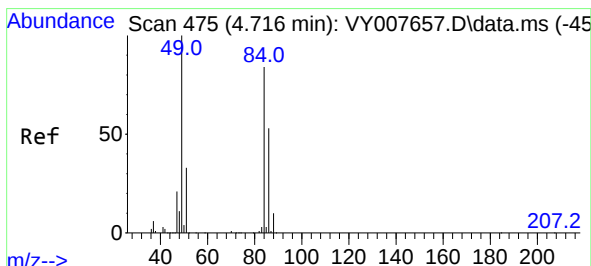
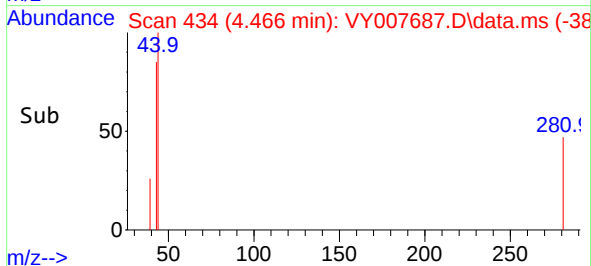
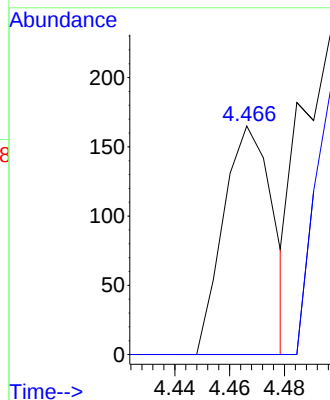
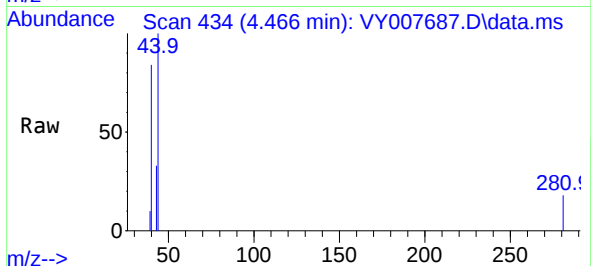
ClientSampleId :

Tgt Ion: 43 Resp: 208

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY007687.D

Acq: 02 Mar 2022 12:48

Tgt Ion: 84 Resp: 2826

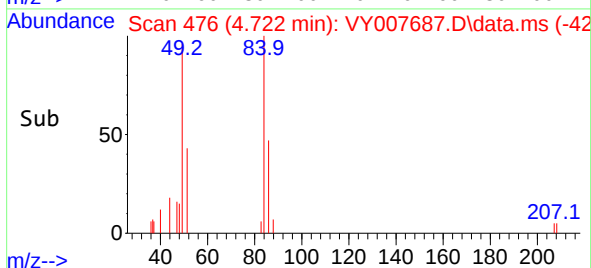
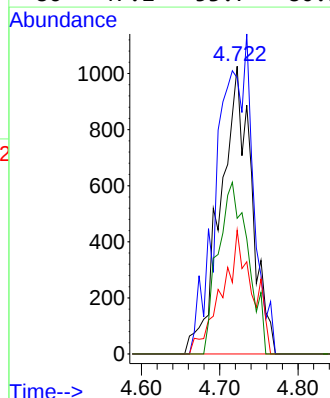
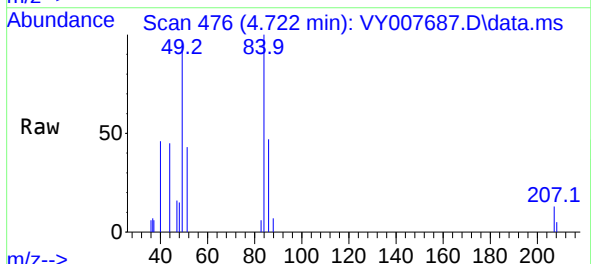
Ion Ratio Lower Upper

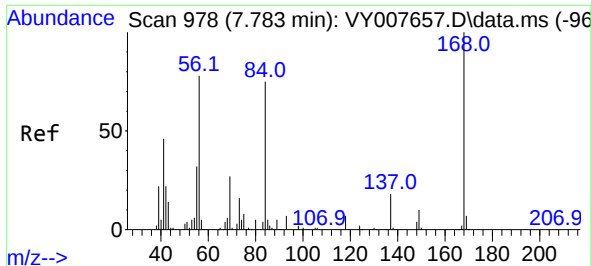
84 100

49 96.0 114.4 171.6#

51 43.0 35.3 52.9

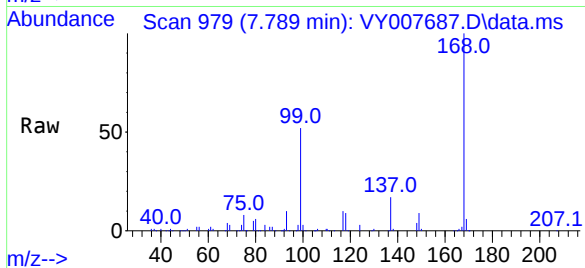
86 47.2 53.7 80.5#



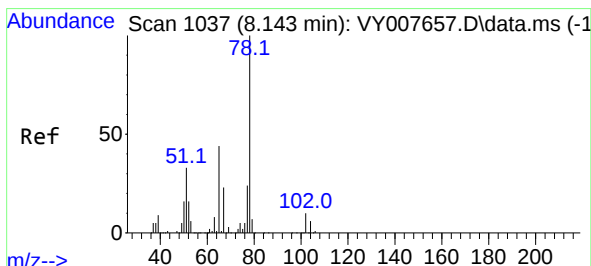
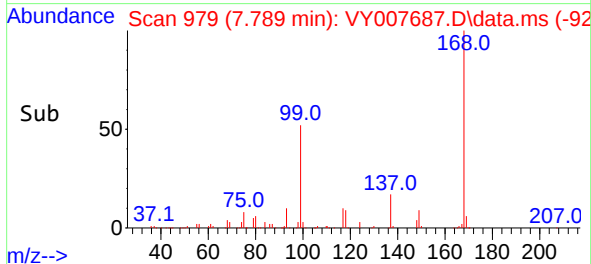
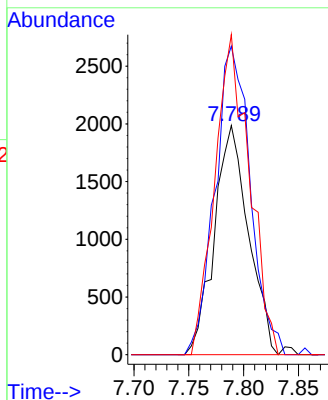


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007687.D  
Acq: 02 Mar 2022 12:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

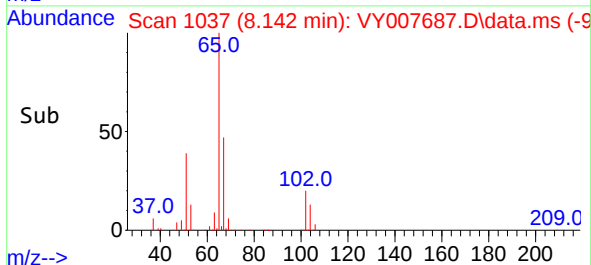
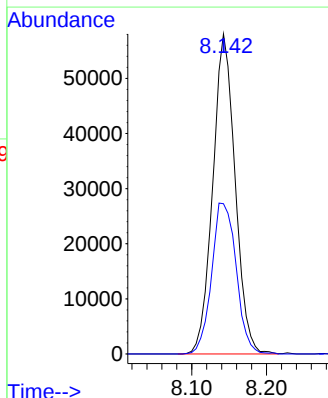
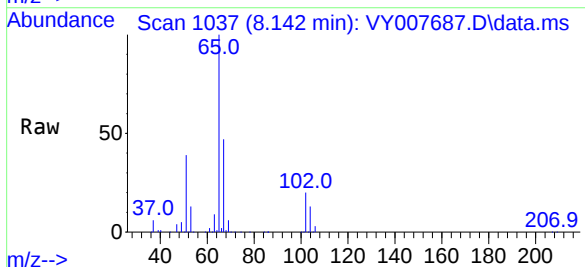


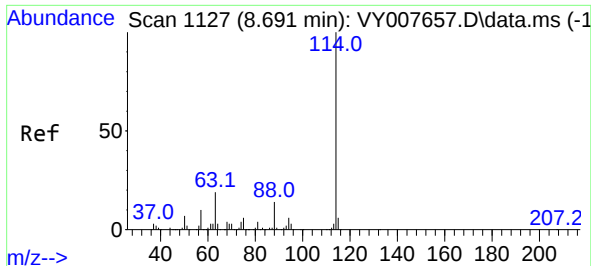
Tgt Ion: 56 Resp: 4307  
Ion Ratio Lower Upper  
56 100  
69 134.7 26.7 40.1#  
84 139.7 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 58.553 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY007687.D  
Acq: 02 Mar 2022 12:48

Tgt Ion: 65 Resp: 121067  
Ion Ratio Lower Upper  
65 100  
67 51.7 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: VY007687.D

Acq: 02 Mar 2022 12:48

Instrument :

MSVOA\_Y

ClientSampleId :

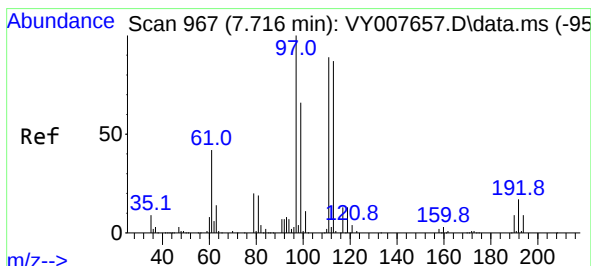
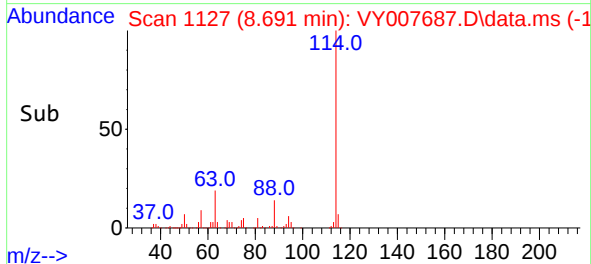
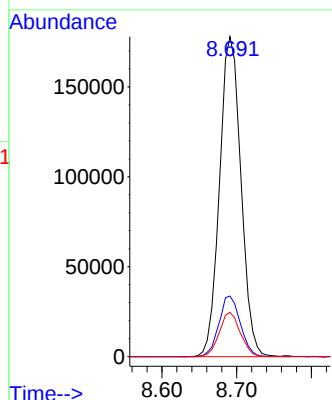
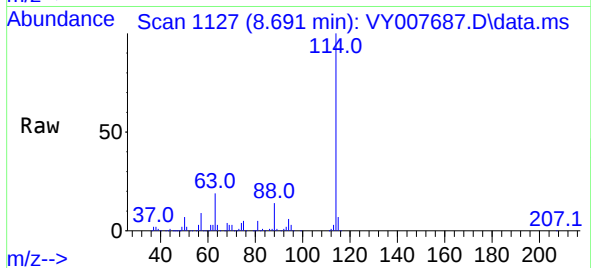
Tgt Ion:114 Resp: 354673

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.217 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007687.D

Acq: 02 Mar 2022 12:48

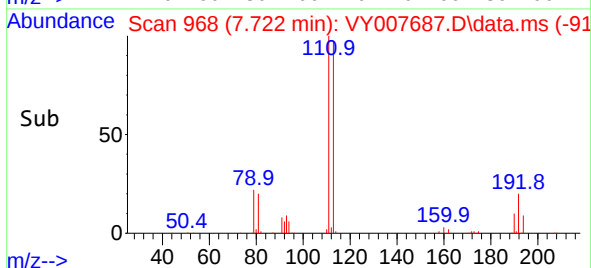
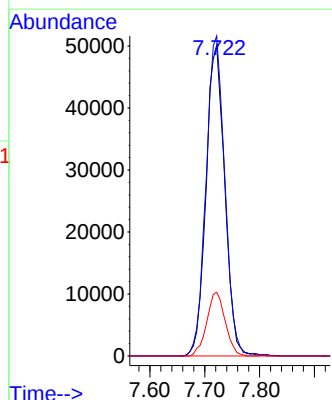
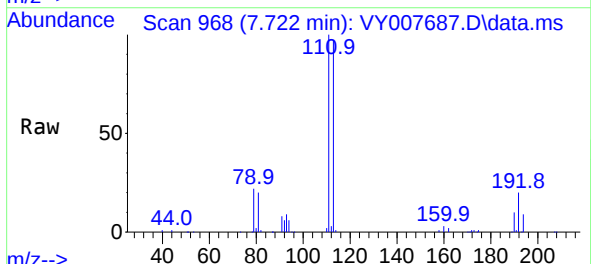
Tgt Ion:113 Resp: 118405

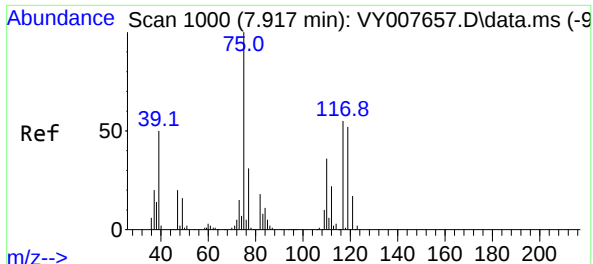
Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

192 20.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.262 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007687.D

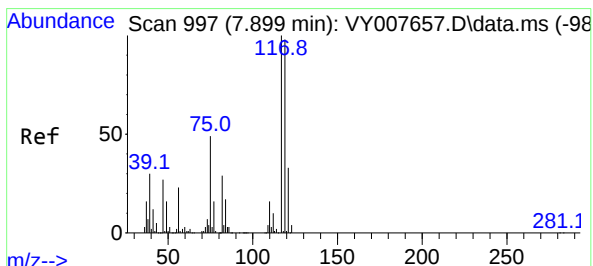
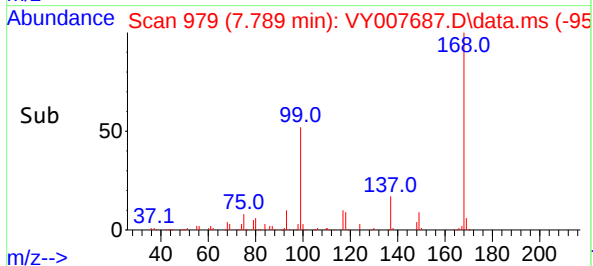
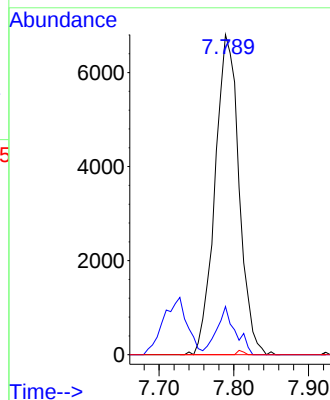
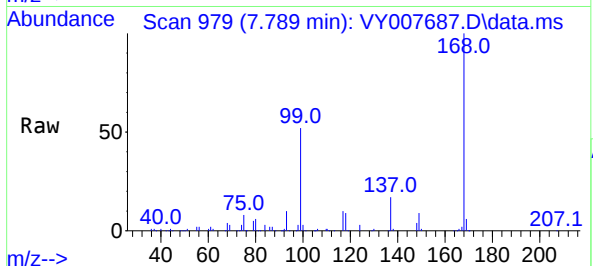
Acq: 02 Mar 2022 12:48

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 15203 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 11.8  | 17.1  | 51.2# |
| 77       | 0.3   | 24.4  | 36.6# |



#38

Carbon Tetrachloride

Concen: 5.092 ug/l

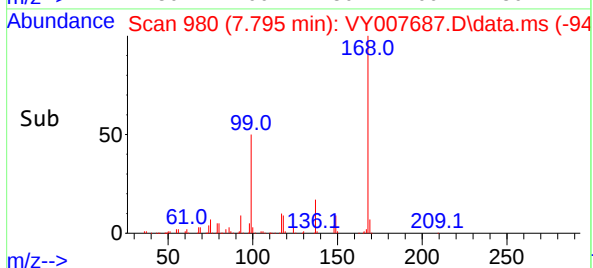
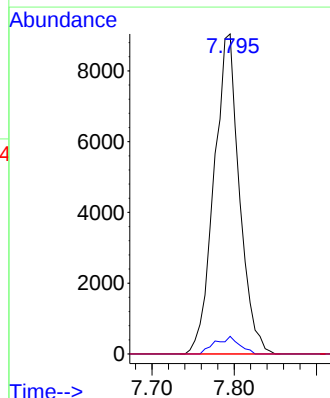
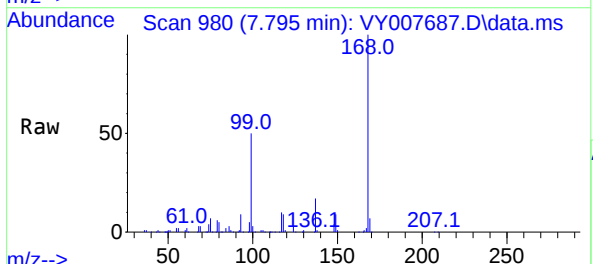
RT: 7.795 min Scan# 980

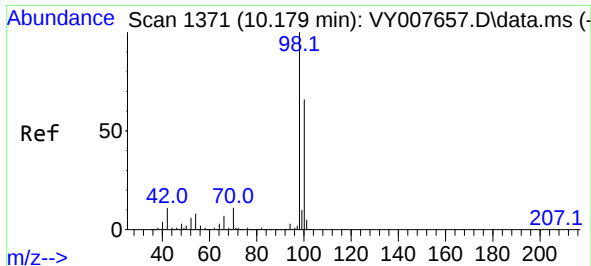
Delta R.T. -0.104 min

Lab File: VY007687.D

Acq: 02 Mar 2022 12:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 19376  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.5   | 77.9  | 116.9# |
| 121      | 0.0   | 24.8  | 37.2#  |

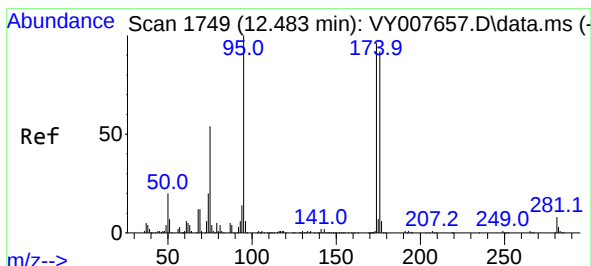
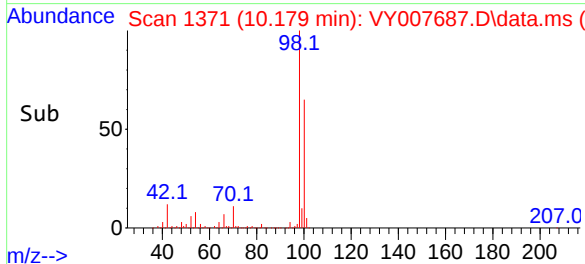
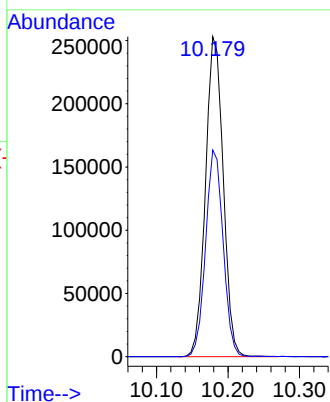
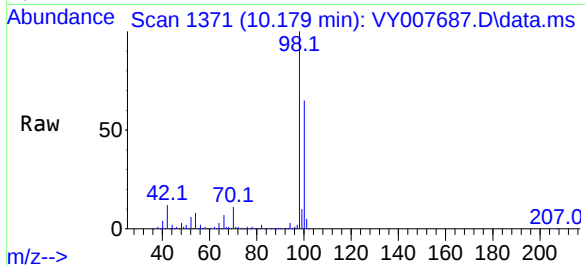




#50  
Toluene-d8  
Concen: 52.195 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY007687.D  
Acq: 02 Mar 2022 12:48

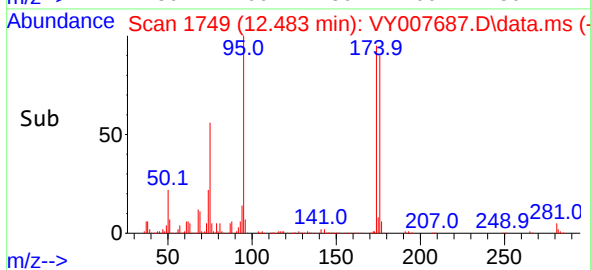
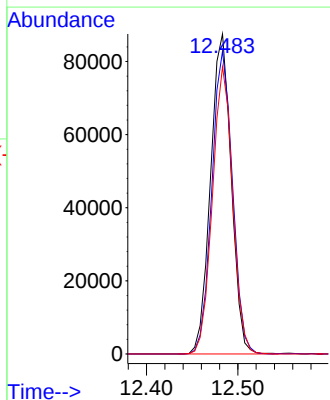
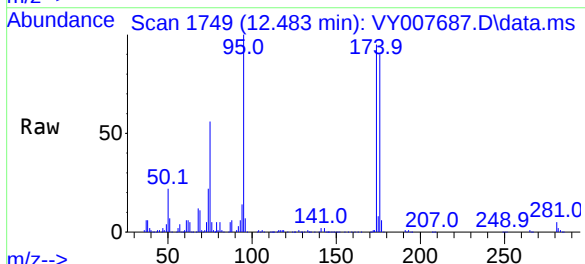
Instrument :  
MSVOA\_Y  
ClientSampleId :

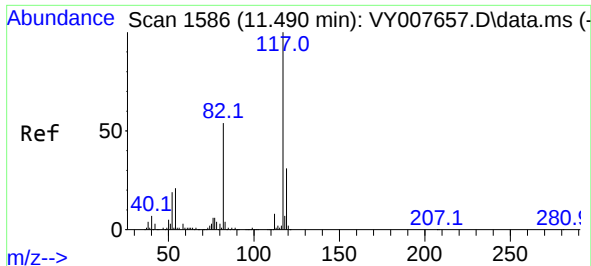
Tgt Ion: 98 Resp: 435670  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 51.001 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY007687.D  
Acq: 02 Mar 2022 12:48

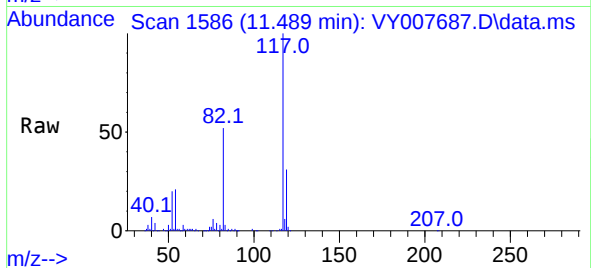
Tgt Ion: 95 Resp: 137221  
Ion Ratio Lower Upper  
95 100  
174 94.6 0.0 177.0  
176 88.1 0.0 175.8



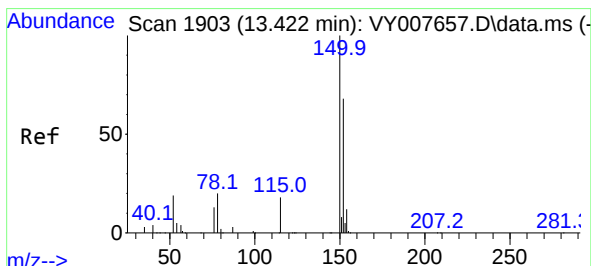
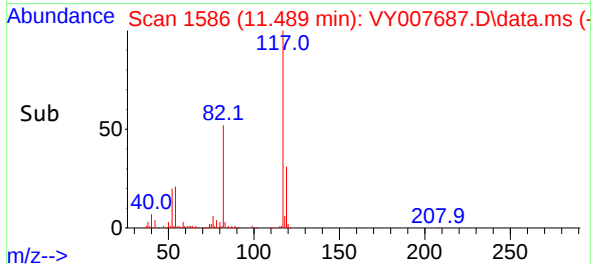
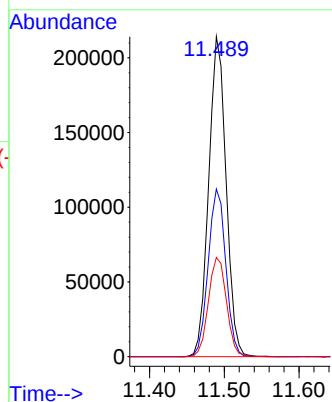


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY007687.D  
Acq: 02 Mar 2022 12:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

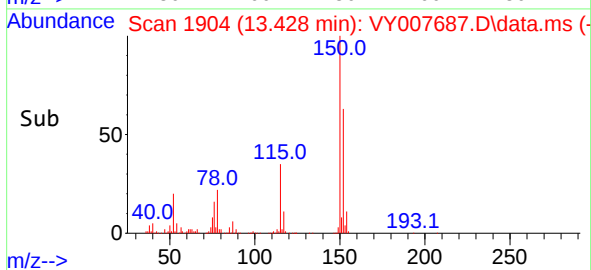
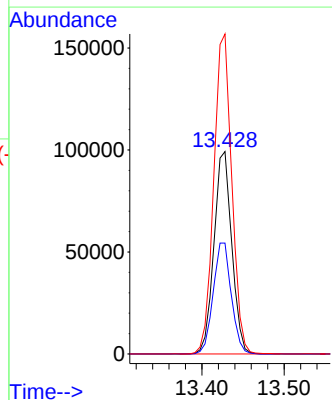
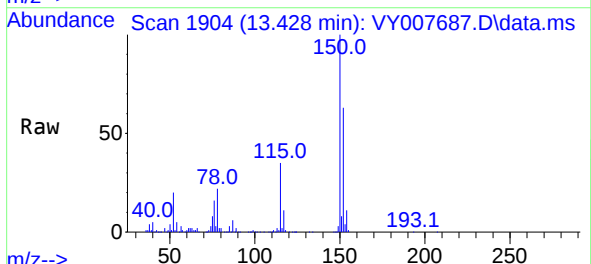


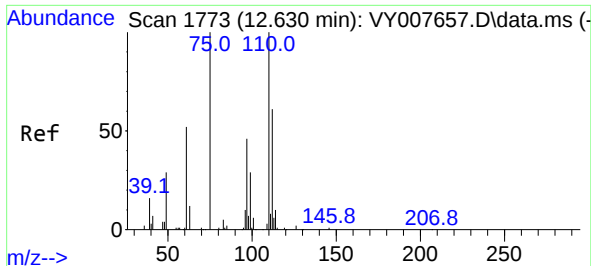
Tgt Ion:117 Resp: 346631  
Ion Ratio Lower Upper  
117 100  
82 52.4 43.0 64.4  
119 31.0 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY007687.D  
Acq: 02 Mar 2022 12:48

Tgt Ion:152 Resp: 149488  
Ion Ratio Lower Upper  
152 100  
115 55.7 28.2 84.7  
150 159.6 0.0 347.6

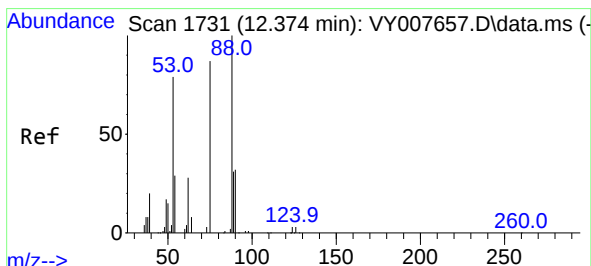
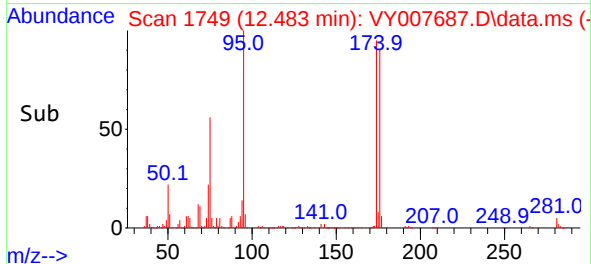
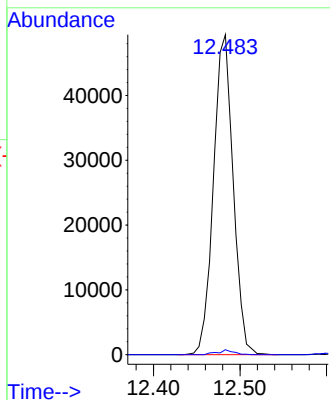
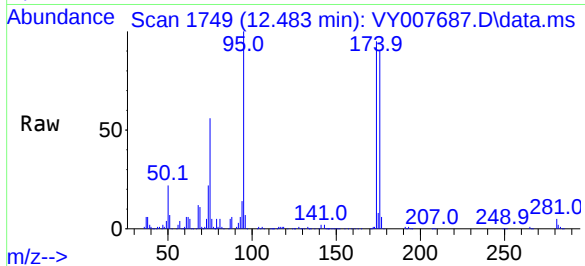




#76  
1,2,3-Trichloropropane  
Concen: 46.713 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY007687.D  
Acq: 02 Mar 2022 12:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 77984  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 95.499 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.109 min  
Lab File: VY007687.D  
Acq: 02 Mar 2022 12:48

Tgt Ion: 75 Resp: 77984  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.1 37.0 55.4#

