

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030322\  
 Data File : VY007722.D  
 Acq On : 03 Mar 2022 23:23  
 Operator : SY/MD  
 Sample : N1730-01  
 Misc : 6.49g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Mar 04 00:45:46 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

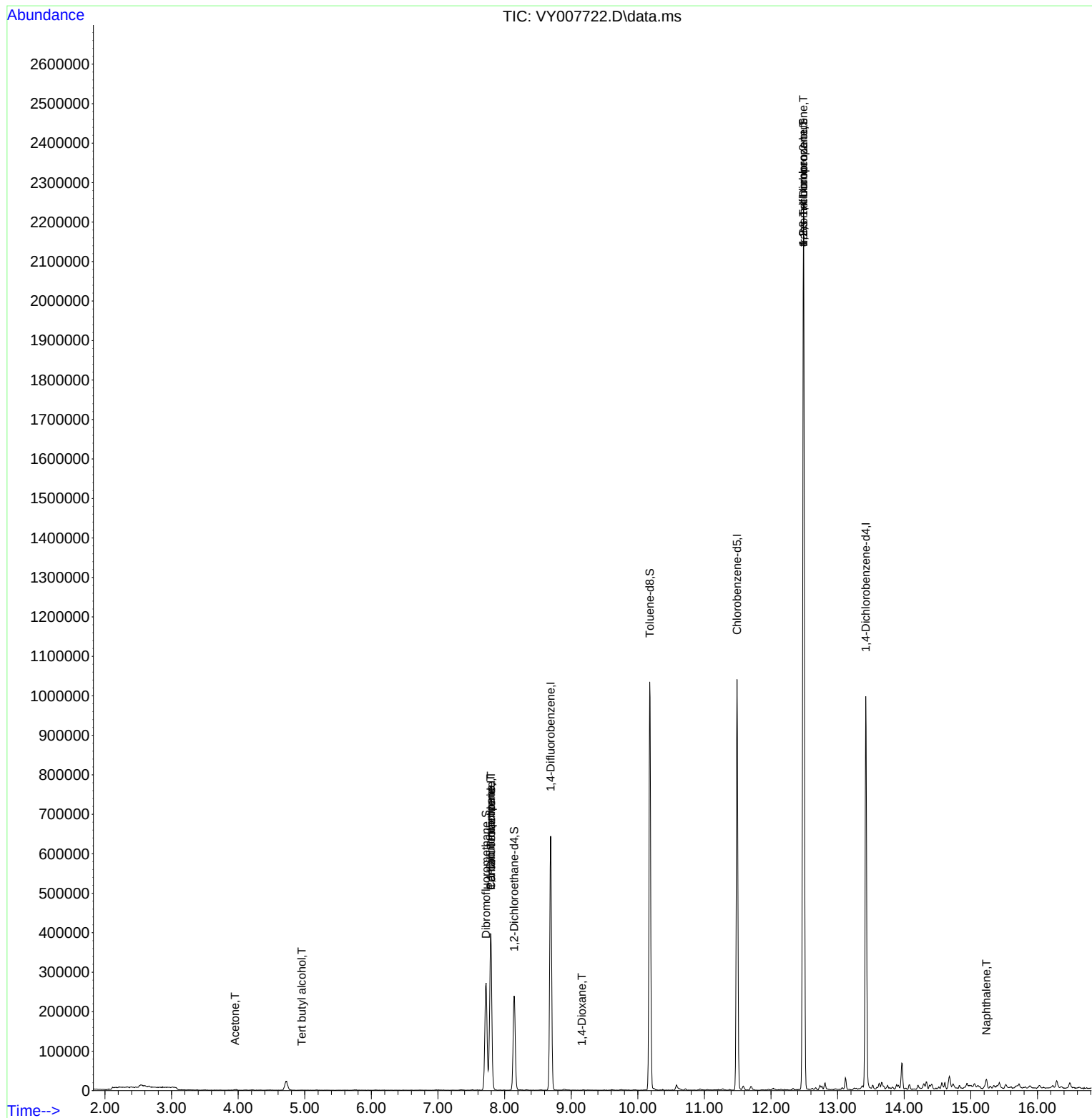
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 322125   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 561470   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 556666   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 252625   | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 186665   | 55.352    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 110.700% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 187949   | 52.359    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 104.720% |          |
| 50) Toluene-d8                | 10.179 | 98    | 684181   | 51.778    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 103.560% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 238524   | 56.000    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 112.000% |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.906  | 85    | 141      | Below Cal | #          | 43       |
| 3) Chloromethane              | 2.113  | 50    | 1518     | Below Cal |            | 90       |
| 11) Tert butyl alcohol        | 4.954  | 59    | 605      | 2.072     | ug/l #     | 77       |
| 13) Acrolein                  | 3.729  | 56    | 27       | Below Cal | #          | 1        |
| 16) Acetone                   | 3.954  | 43    | 3273     | 4.771     | ug/l #     | 74       |
| 17) Carbon Disulfide          | 4.204  | 76    | 362      | Below Cal | #          | 75       |
| 18) Methyl Acetate            | 4.472  | 43    | 1025     | Below Cal | #          | 75       |
| 31) Cyclohexane               | 7.783  | 56    | 6693     | Below Cal | #          | 46       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 23183    | 4.105     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 30346    | 5.038     | ug/l #     | 14       |
| 49) 1,4-Dioxane               | 9.161  | 88    | 46       | 1.562     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 141962   | 50.319    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 141962   | 102.871   | ug/l #     | 9        |
| 95) Naphthalene               | 15.233 | 128   | 16893    | 1.638     | ug/l #     | 95       |
| -----                         |        |       |          |           |            |          |

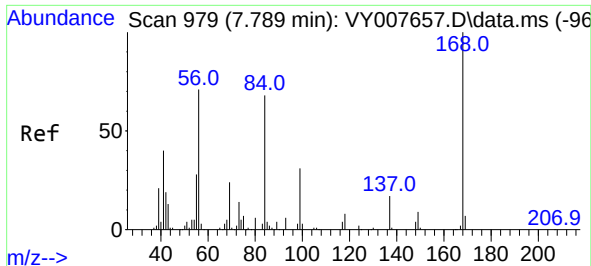
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030322\  
Data File : VY007722.D  
Acq On : 03 Mar 2022 23:23  
Operator : SY/MD  
Sample : N1730-01  
Misc : 6.49g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Mar 04 00:45:46 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

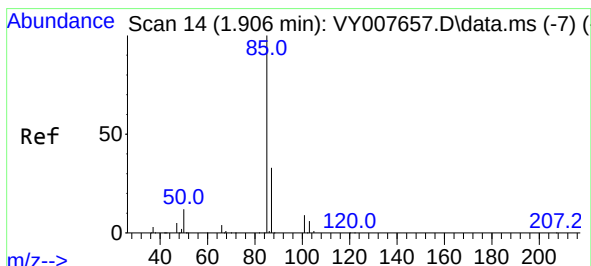
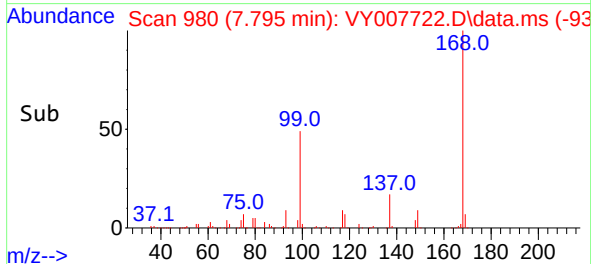
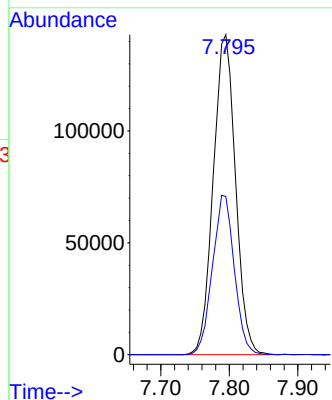
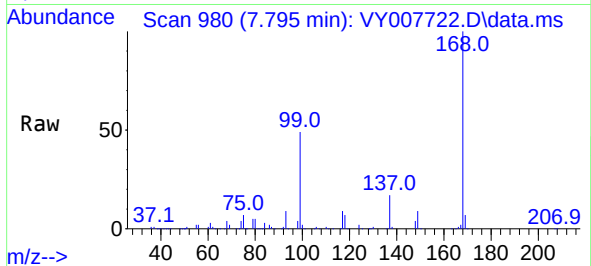




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

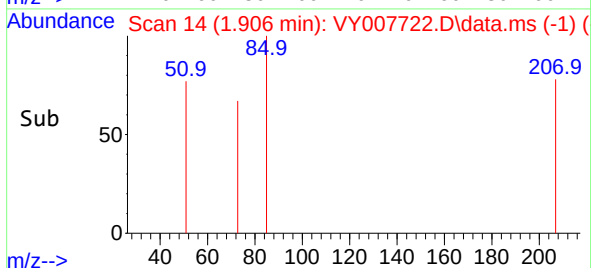
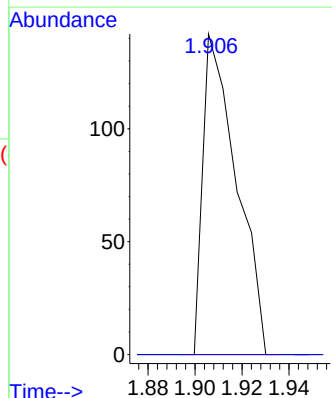
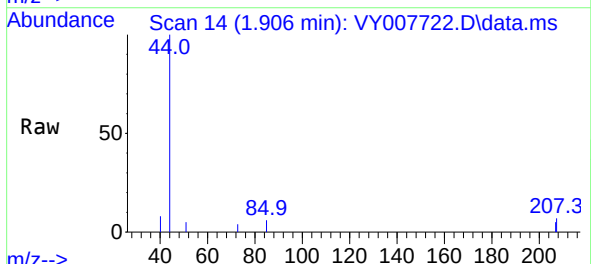
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 322125  
Ion Ratio Lower Upper  
168 100  
99 49.4 46.9 70.3

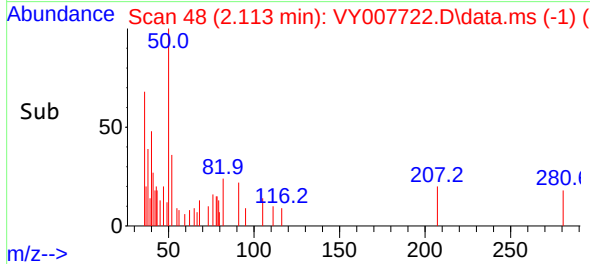
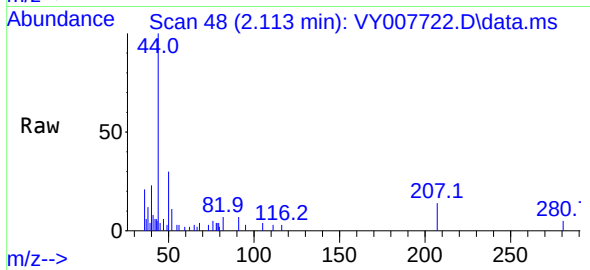
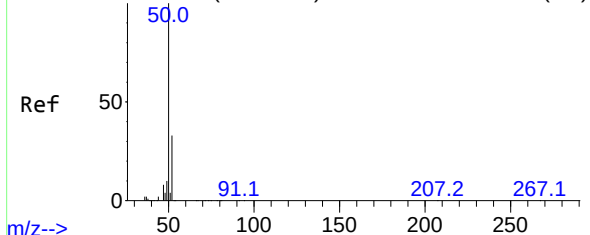


#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

Tgt Ion: 85 Resp: 141  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#



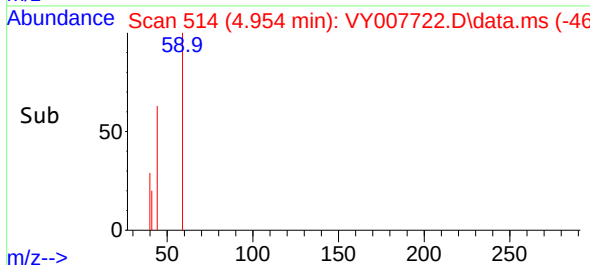
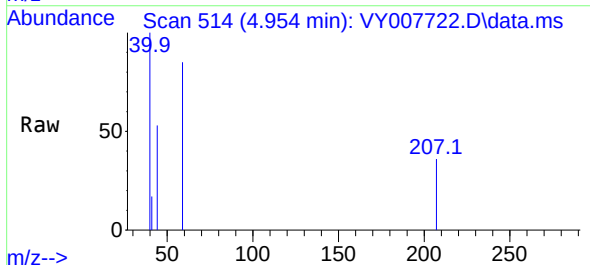
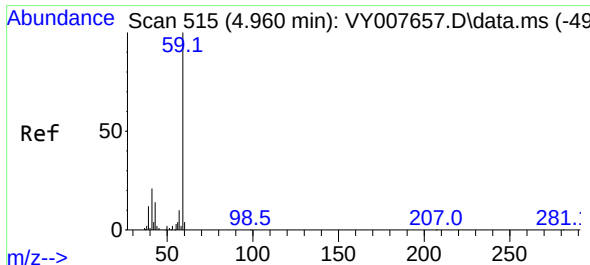
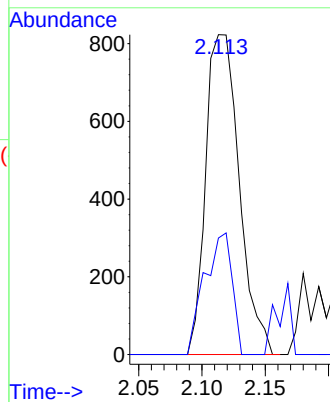
Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

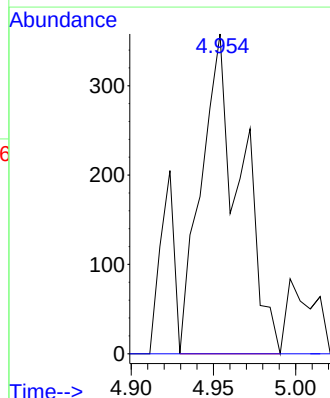
Instrument :  
MSVOA\_Y  
ClientSampleId :

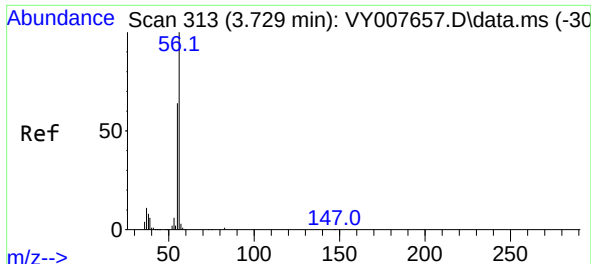
Tgt Ion: 50 Resp: 1518  
Ion Ratio Lower Upper  
50 100  
52 36.5 24.6 37.0



#11  
Tert butyl alcohol  
Concen: 2.072 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. -0.006 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

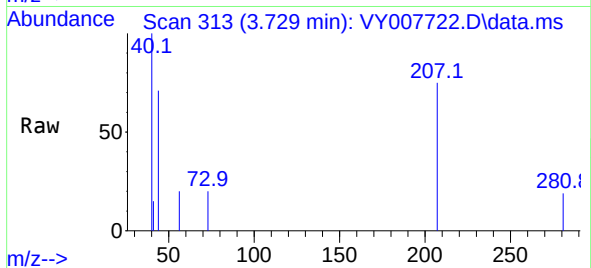
Tgt Ion: 59 Resp: 605  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#



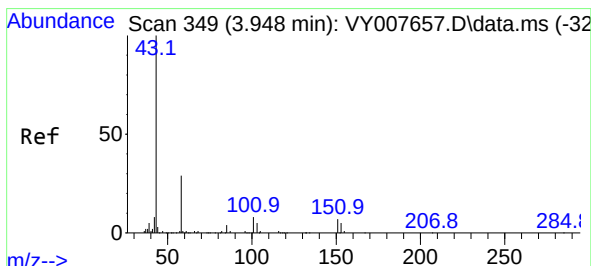
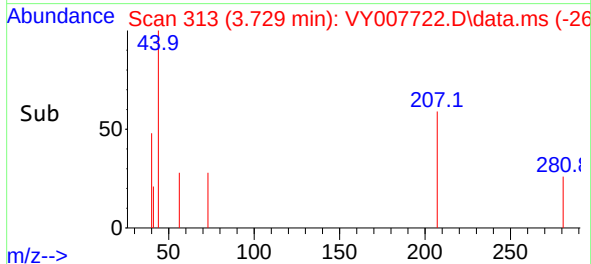
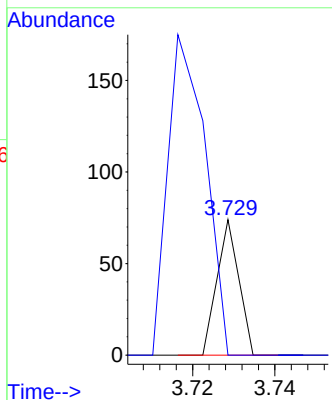


#13  
Acrolein  
Concen: Below Cal  
RT: 3.729 min Scan# 313  
Delta R.T. -0.000 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

Instrument :  
MSVOA\_Y  
ClientSampleId :

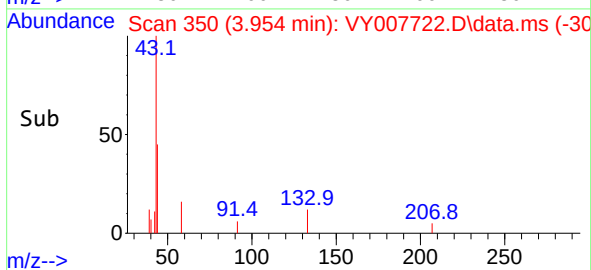
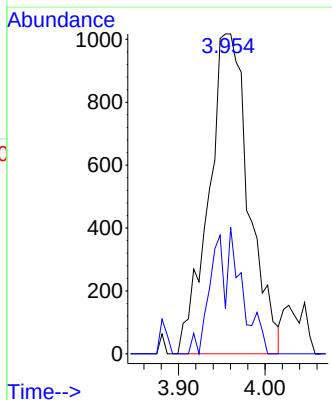
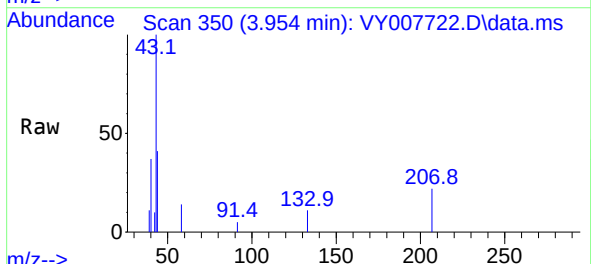


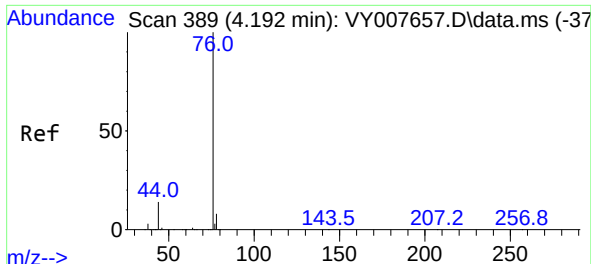
Tgt Ion: 56 Resp: 27  
Ion Ratio Lower Upper  
56 100  
55 411.1 57.6 86.4#



#16  
Acetone  
Concen: 4.771 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

Tgt Ion: 43 Resp: 3273  
Ion Ratio Lower Upper  
43 100  
58 14.2 22.0 33.0#

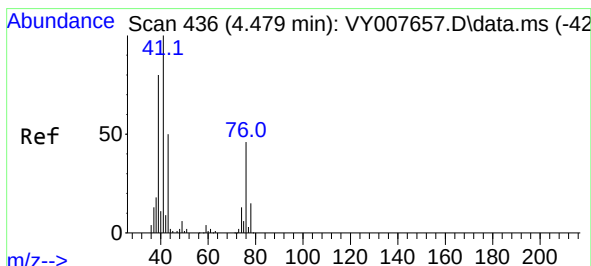
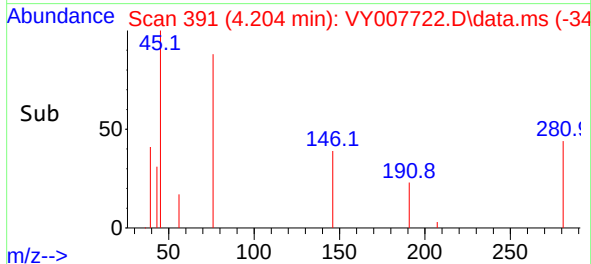
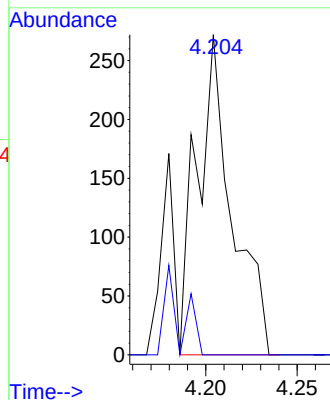
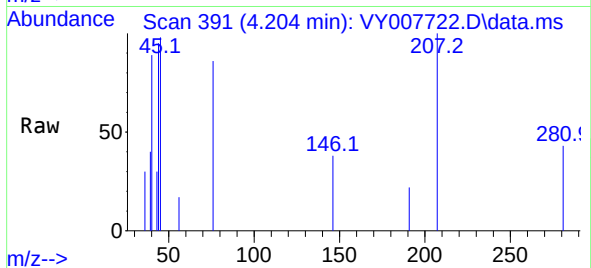




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.204 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

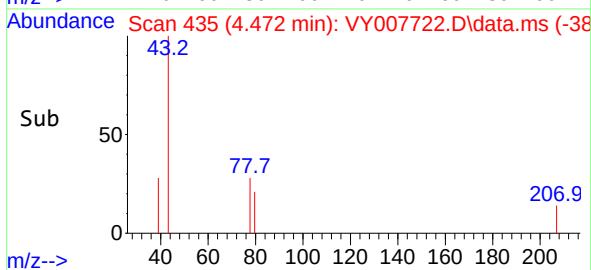
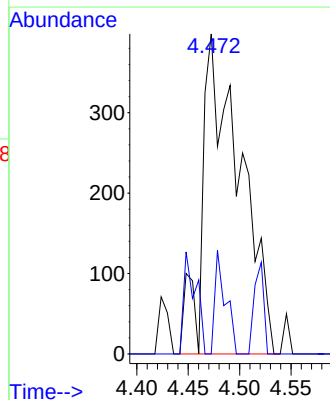
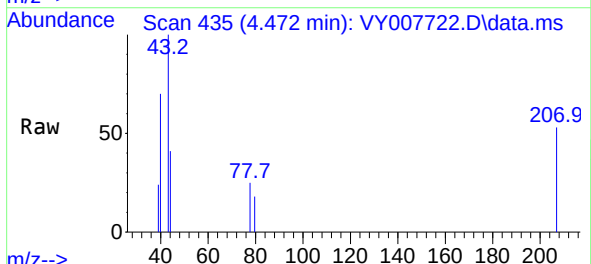
Instrument :  
MSVOA\_Y  
ClientSampleId :

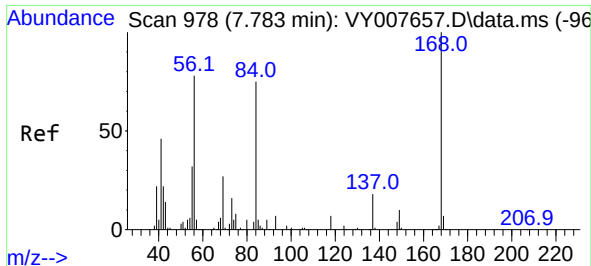
Tgt Ion: 76 Resp: 362  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.472 min Scan# 435  
Delta R.T. -0.007 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

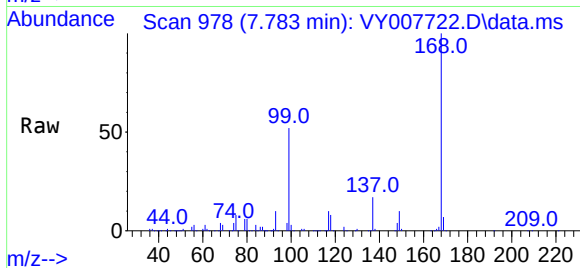
Tgt Ion: 43 Resp: 1025  
Ion Ratio Lower Upper  
43 100  
74 9.1 16.6 24.8#



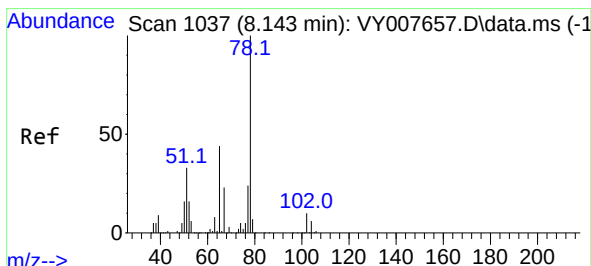
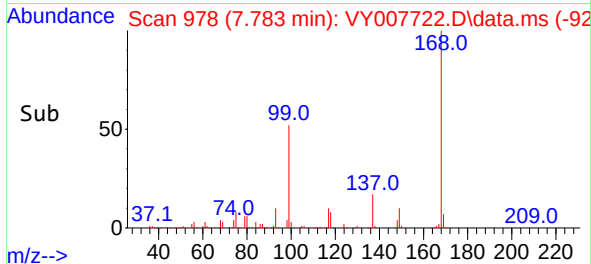
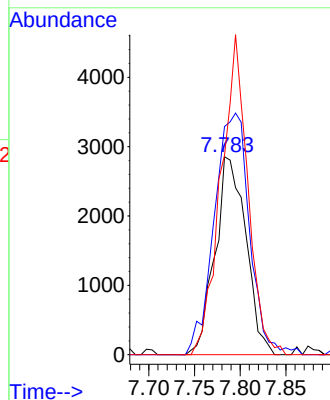


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

Instrument :  
MSVOA\_Y  
ClientSampleId :

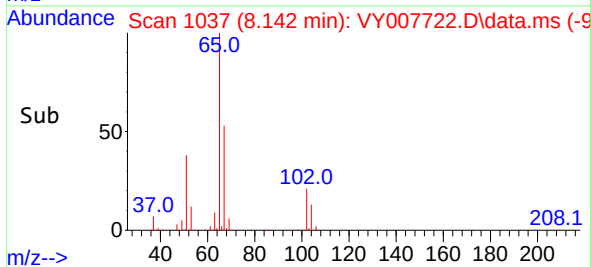
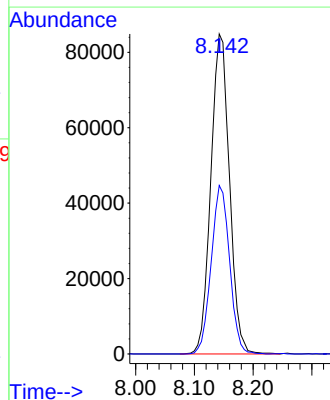
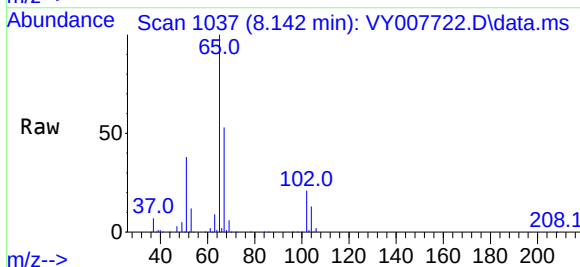


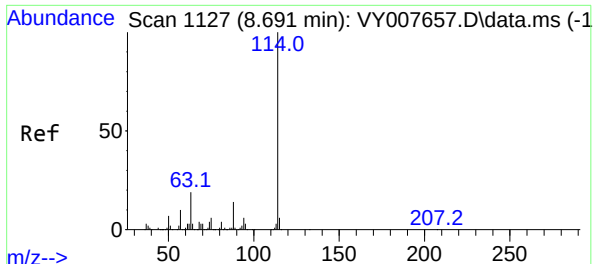
Tgt Ion: 56 Resp: 6693  
Ion Ratio Lower Upper  
56 100  
69 115.3 26.7 40.1#  
84 100.7 67.2 100.8



#33  
1,2-Dichloroethane-d4  
Concen: 55.352 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

Tgt Ion: 65 Resp: 186665  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 99.4

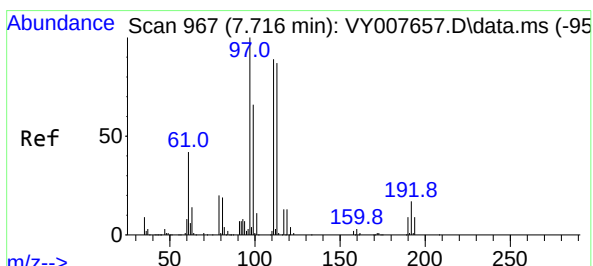
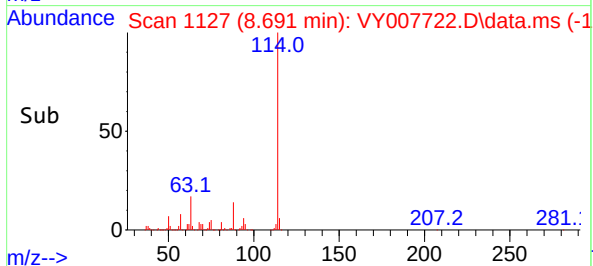
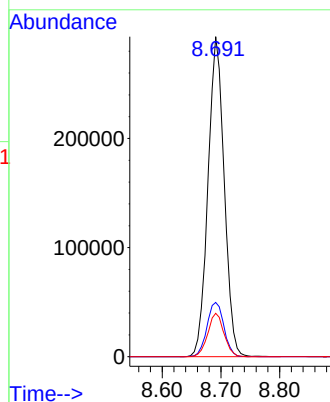
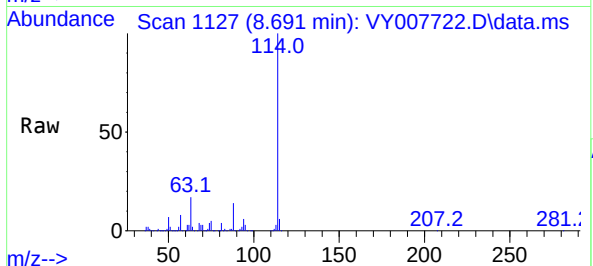




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

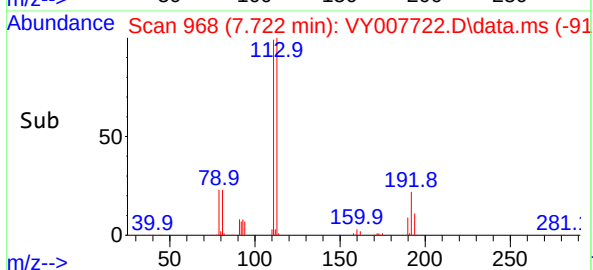
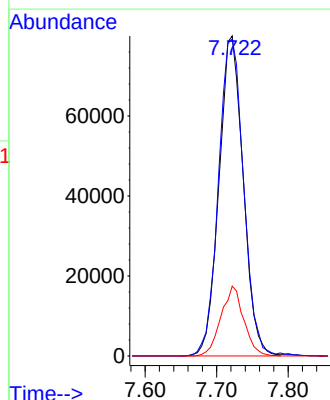
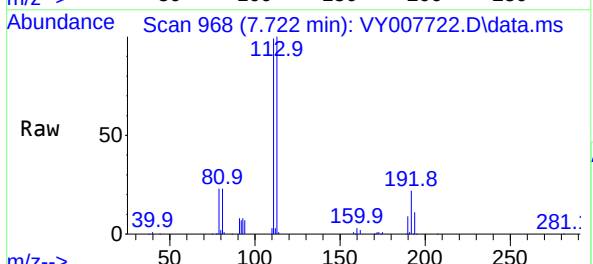
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:114 Resp: 561470  
Ion Ratio Lower Upper  
114 100  
63 17.0 0.0 43.2  
88 13.5 0.0 31.8

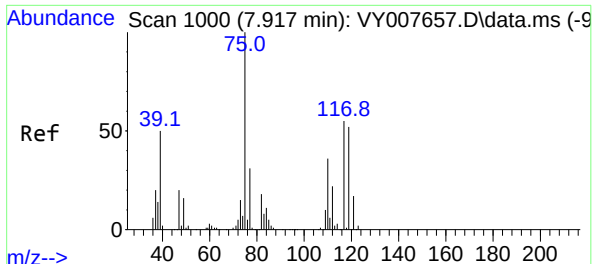


#35  
Dibromofluoromethane  
Concen: 52.359 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

Tgt Ion:113 Resp: 187949  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.6 124.0  
192 20.5 17.6 26.4

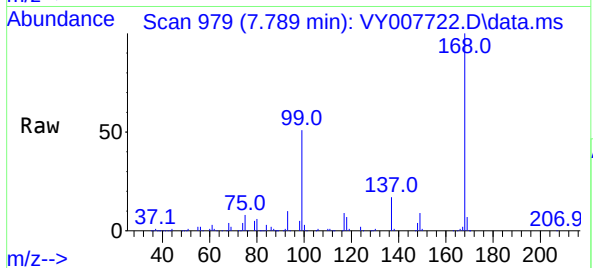




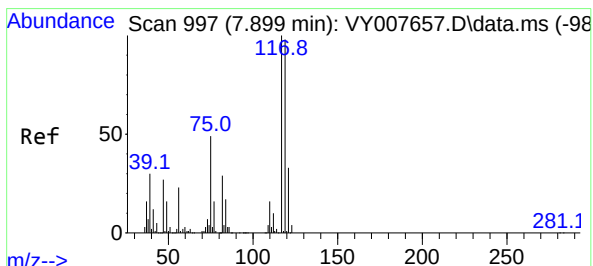
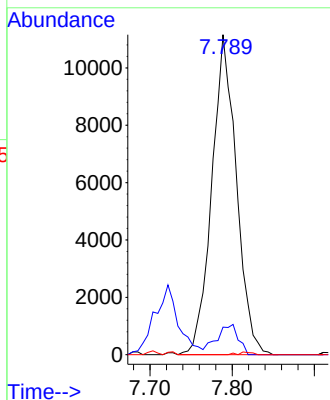
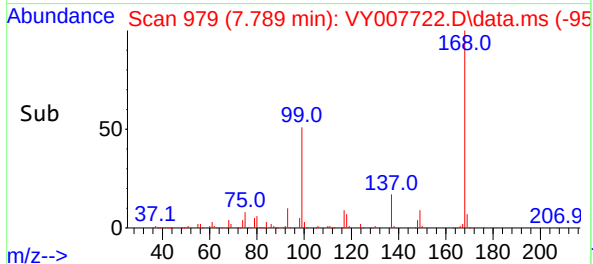


#36  
1,1-Dichloropropene  
Concen: 4.105 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

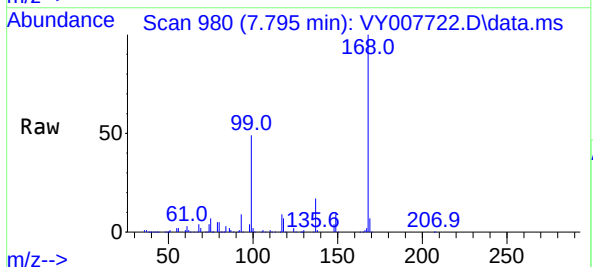
Instrument :  
MSVOA\_Y  
ClientSampleId :



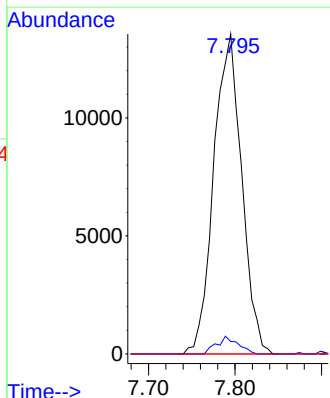
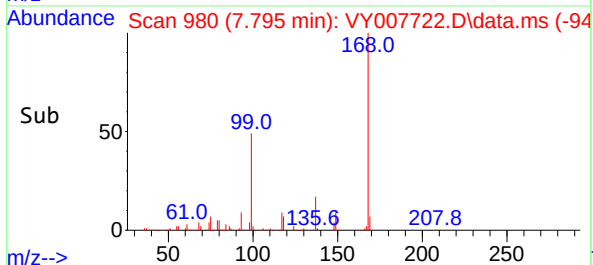
Tgt Ion: 75 Resp: 23183  
Ion Ratio Lower Upper  
75 100  
110 8.3 17.1 51.2#  
77 0.0 24.4 36.6#

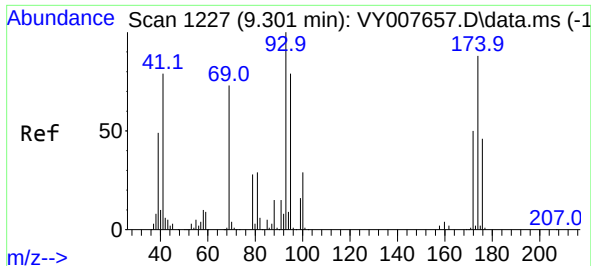


#38  
Carbon Tetrachloride  
Concen: 5.038 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.104 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23



Tgt Ion: 117 Resp: 30346  
Ion Ratio Lower Upper  
117 100  
119 3.9 77.9 116.9#  
121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 1.562 ug/l

RT: 9.161 min Scan# 11

Delta R.T. -0.140 min

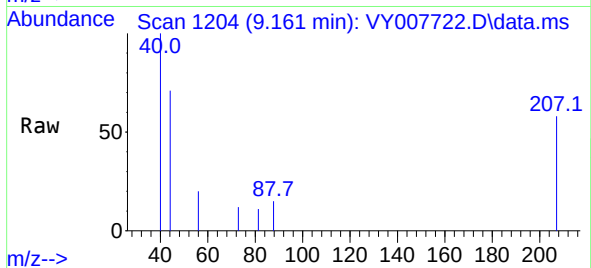
Lab File: VY007722.D

Acq: 03 Mar 2022 23:23

Instrument :

MSVOA\_Y

ClientSampleId :



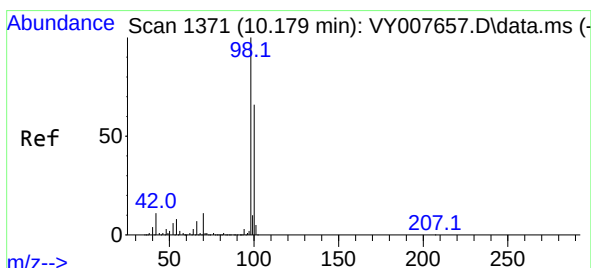
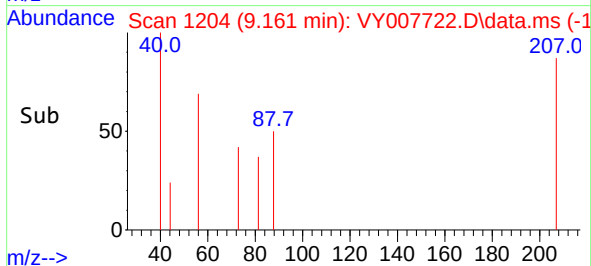
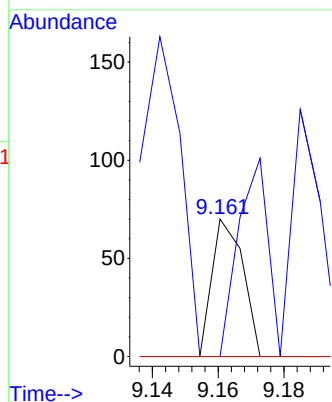
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 137.0 32.8 49.2#

58 0.0 59.8 89.6#



#50

Toluene-d8

Concen: 51.778 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007722.D

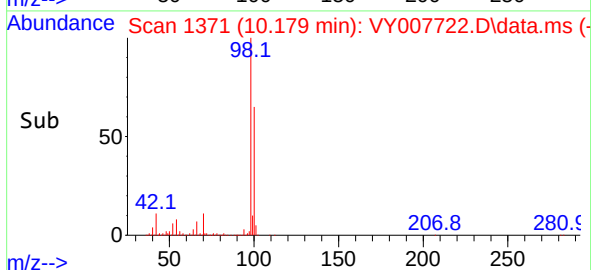
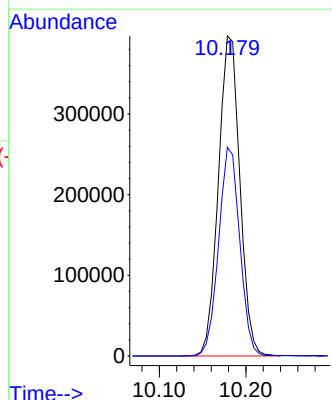
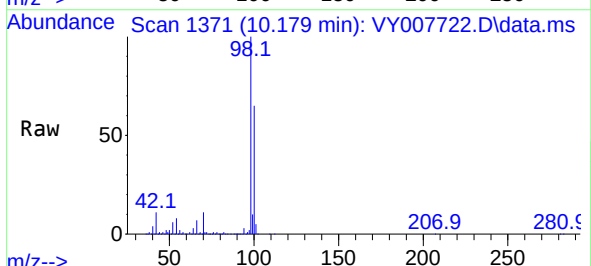
Acq: 03 Mar 2022 23:23

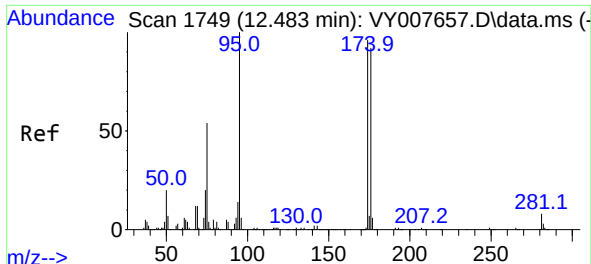
Tgt Ion: 98 Resp: 684181

Ion Ratio Lower Upper

98 100

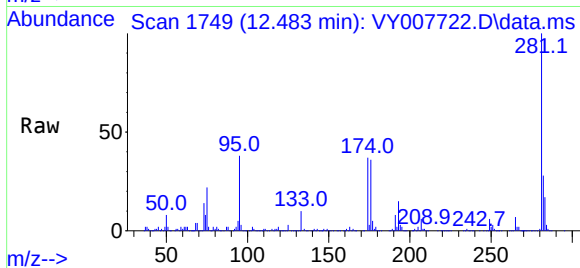
100 64.2 50.2 75.2



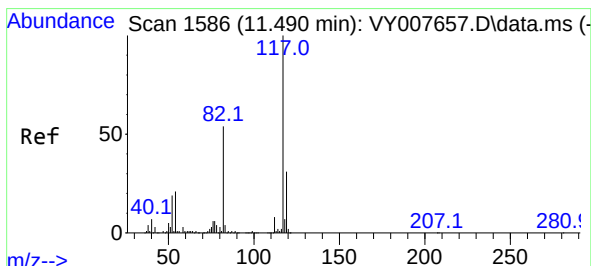
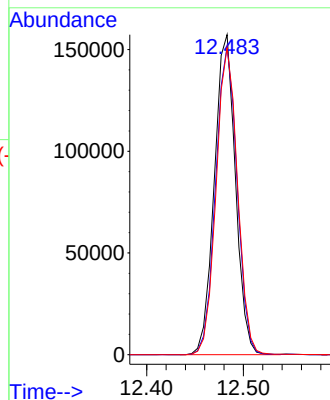
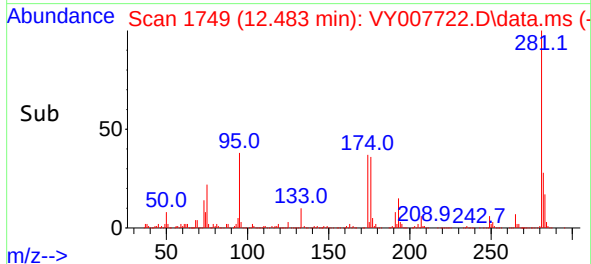


#62  
4-Bromofluorobenzene  
Concen: 56.000 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

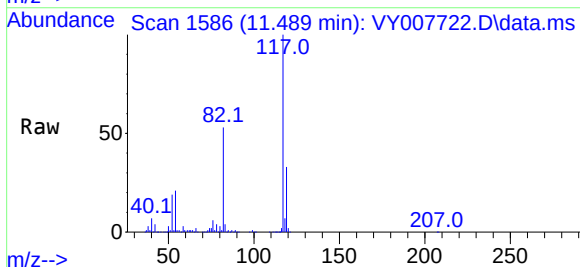
Instrument :  
MSVOA\_Y  
ClientSampleId :



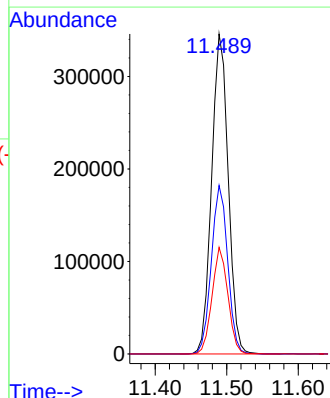
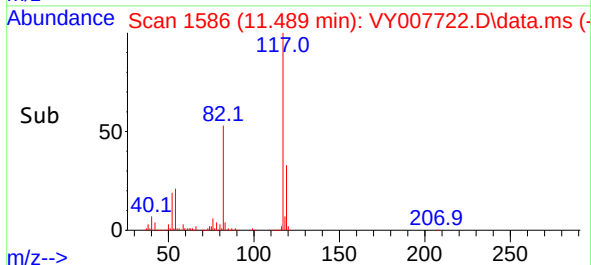
Tgt Ion: 95 Resp: 238524  
Ion Ratio Lower Upper  
95 100  
174 97.4 0.0 177.0  
176 97.0 0.0 175.8

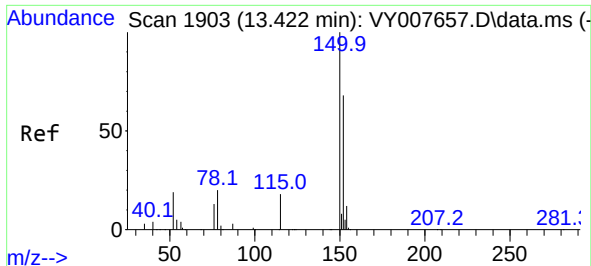


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23



Tgt Ion: 117 Resp: 556666  
Ion Ratio Lower Upper  
117 100  
82 52.7 43.0 64.4  
119 33.3 25.4 38.0



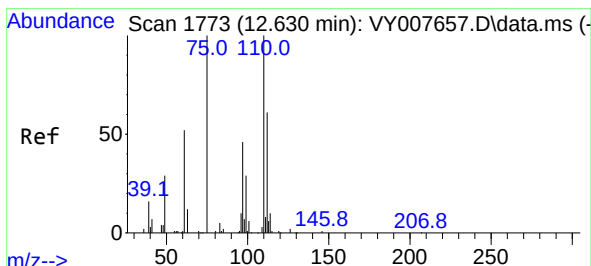
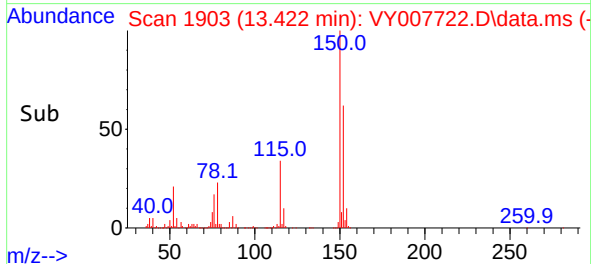
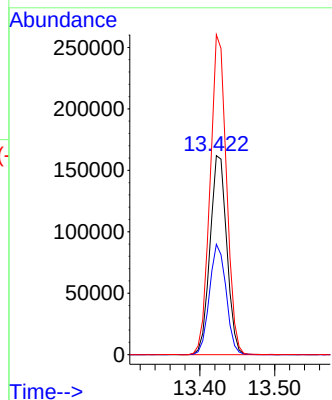
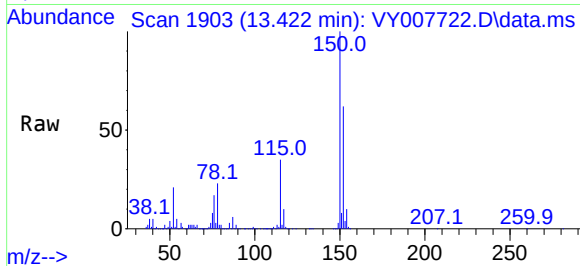


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY007722.D  
 Acq: 03 Mar 2022 23:23

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion:152 Resp: 252625  

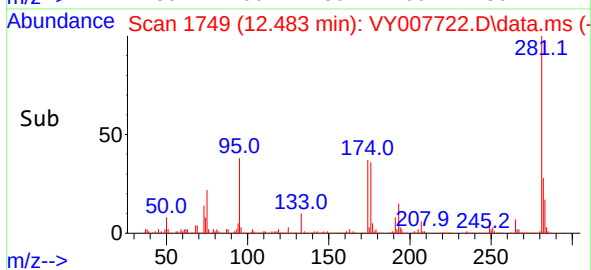
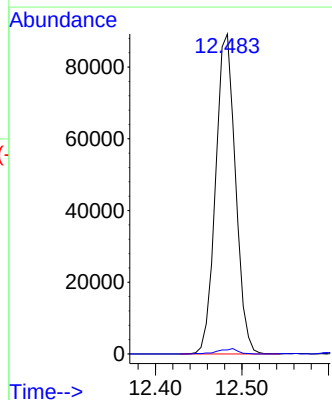
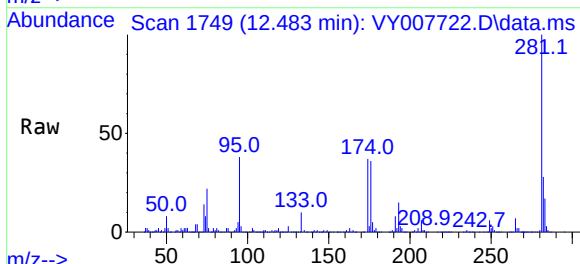
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 55.1  | 28.2  | 84.7  |
| 150 | 157.4 | 0.0   | 347.6 |

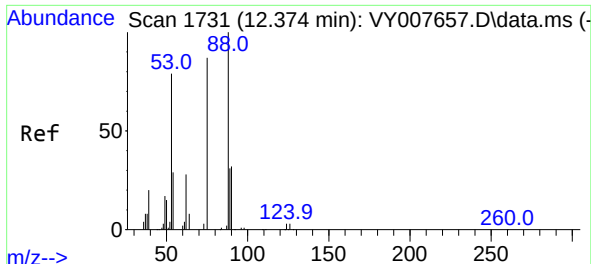


#76  
 1,2,3-Trichloropropane  
 Concen: 50.319 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.147 min  
 Lab File: VY007722.D  
 Acq: 03 Mar 2022 23:23

Tgt Ion: 75 Resp: 141962  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 1.6   | 0.0   | 0.0#  |

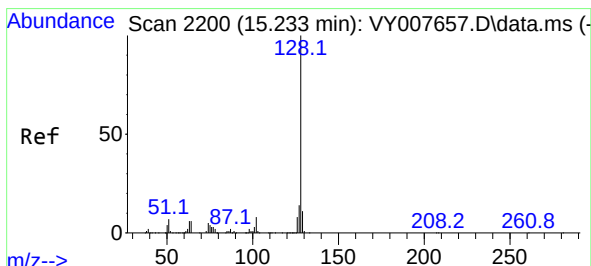
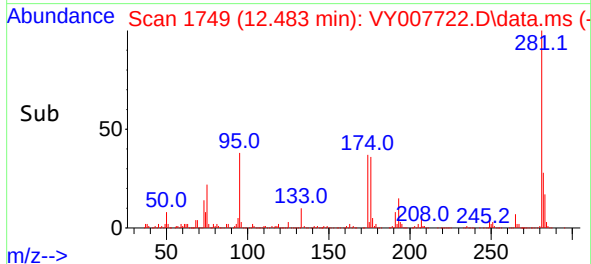
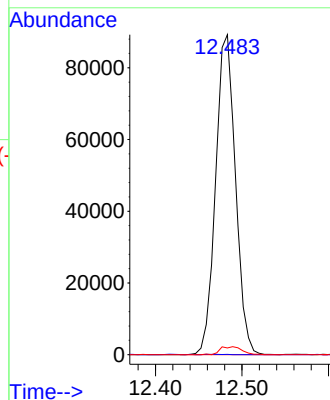
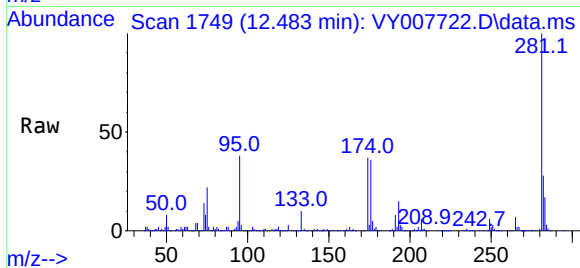




#81  
trans-1,4-Dichloro-2-butene  
Concen: 102.871 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.109 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 141962  
Ion Ratio Lower Upper  
75 100  
53 0.1 85.3 127.9#  
89 2.8 37.0 55.4#



#95  
Naphthalene  
Concen: 1.638 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.000 min  
Lab File: VY007722.D  
Acq: 03 Mar 2022 23:23

Tgt Ion:128 Resp: 16893  
Ion Ratio Lower Upper  
128 100  
127 13.1 11.0 16.4  
129 14.0 8.4 12.6#

