

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092322\  
 Data File : VY010645.D  
 Acq On : 23 Sep 2022 13:49  
 Operator : KP/MD  
 Sample : N4742-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-08-6.5-7.0

Quant Time: Sep 24 01:21:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

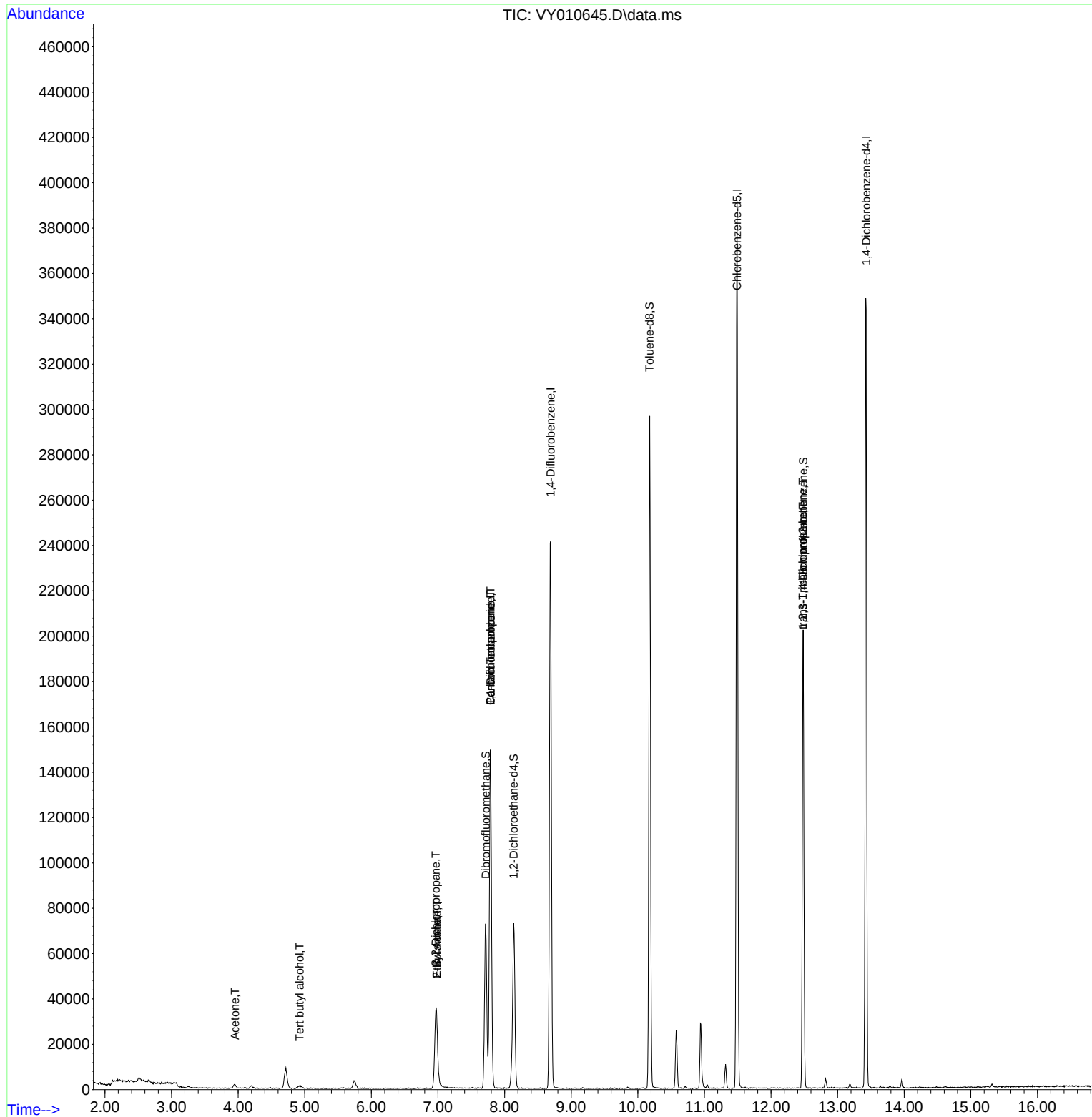
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 115310   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 213782   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 211423   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 91758    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.137  | 65    | 52358    | 47.472    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 94.940%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 50863    | 37.280    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 74.560%  |
| 50) Toluene-d8                | 10.179 | 98    | 192686   | 38.949    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 77.900%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 57704    | 29.741    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 59.480%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.900  | 85    | 22       | Below Cal | #      | 43       |
| 3) Chloromethane              | 2.107  | 50    | 324      | Below Cal | #      | 76       |
| 4) Vinyl Chloride             | 2.229  | 62    | 19       | Below Cal | #      | 43       |
| 5) Bromomethane               | 2.668  | 94    | 317      | Below Cal | #      | 56       |
| 11) Tert butyl alcohol        | 4.924  | 59    | 1580     | 5.072     | ug/l # | 77       |
| 16) Acetone                   | 3.954  | 43    | 2998     | 13.330    | ug/l   | 92       |
| 18) Methyl Acetate            | 4.473  | 43    | 281      | Below Cal | #      | 91       |
| 20) Methylene Chloride        | 4.716  | 84    | 6414     | Below Cal |        | 84       |
| 25) 2-Butanone                | 6.984  | 43    | 1939     | 5.512     | ug/l # | 54       |
| 26) 2,2-Dichloropropane       | 6.966  | 77    | 2675     | 1.599     | ug/l # | 55       |
| 31) Cyclohexane               | 7.783  | 56    | 2496     | Below Cal | #      | 13       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 9044     | 5.949     | ug/l # | 52       |
| 37) Ethyl Acetate             | 6.984  | 43    | 1939     | 2.208     | ug/l # | 1        |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 11280    | 6.453     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 29607    | 33.807    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 29607    | 75.167    | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

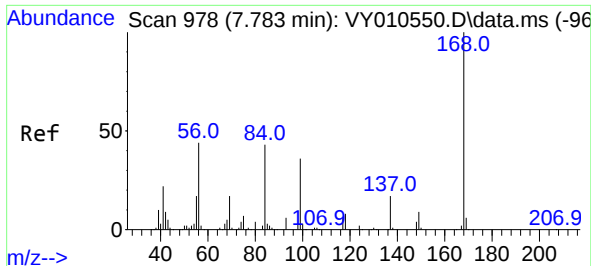
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092322\  
Data File : VY010645.D  
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Sample : N4742-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-6.5-7.0

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 20 01:02:44 2022  
Response via : Initial Calibration

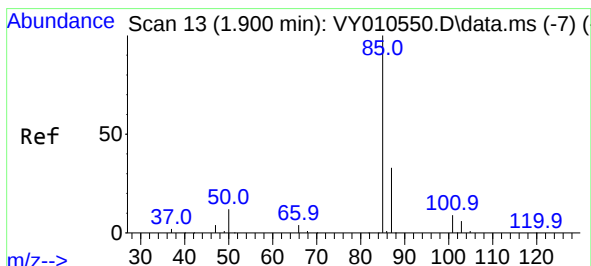
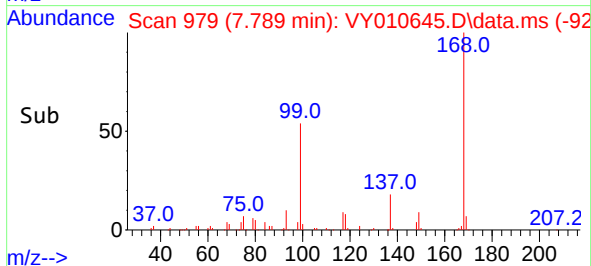
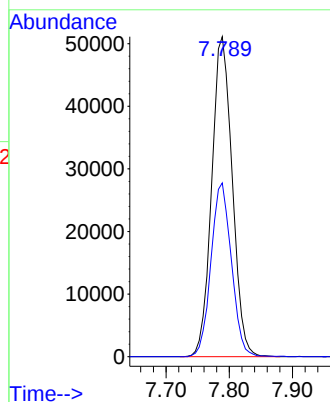
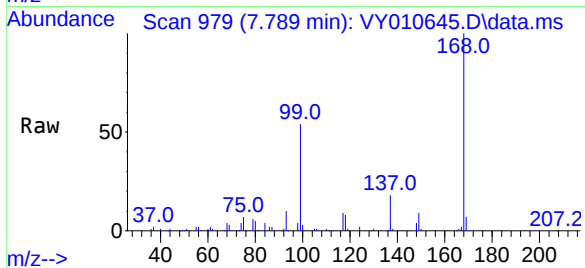




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

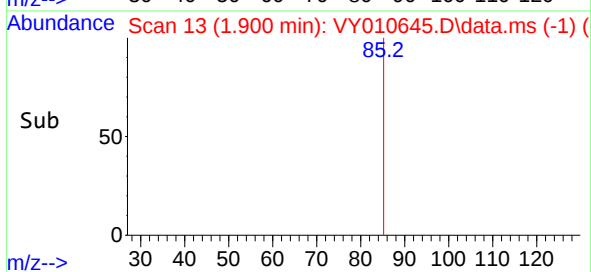
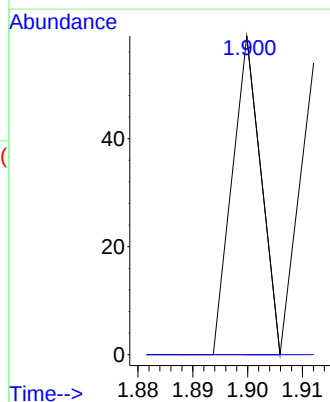
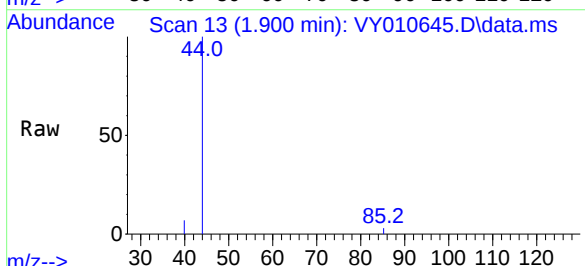
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-6.5-7.0

Tgt Ion:168 Resp: 115310  
Ion Ratio Lower Upper  
168 100  
99 54.3 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

Tgt Ion: 85 Resp: 22  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#

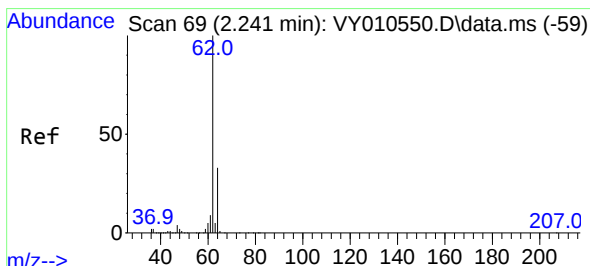
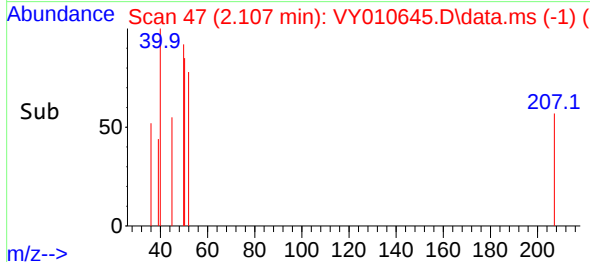
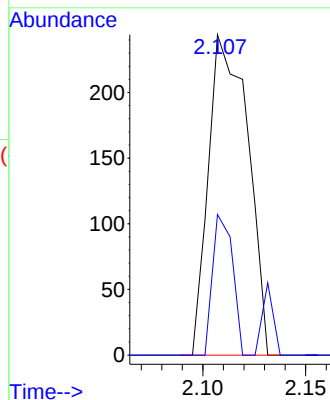
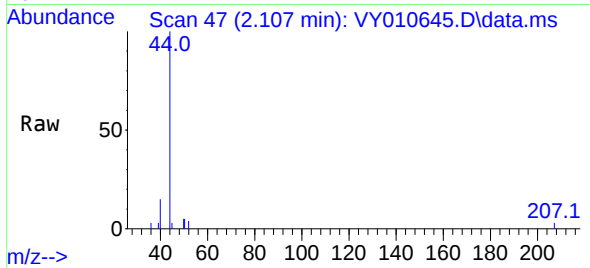




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.107 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

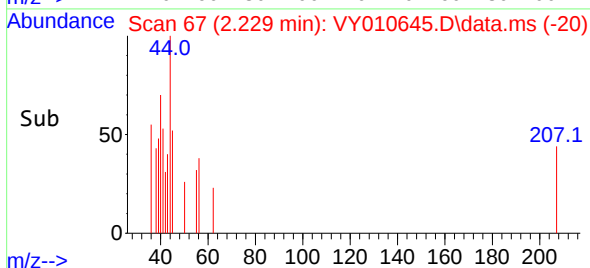
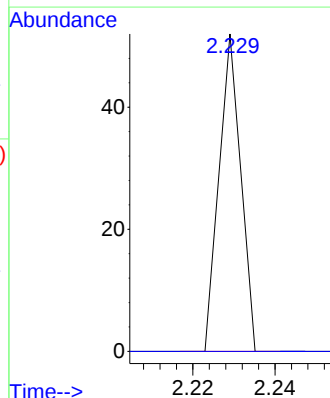
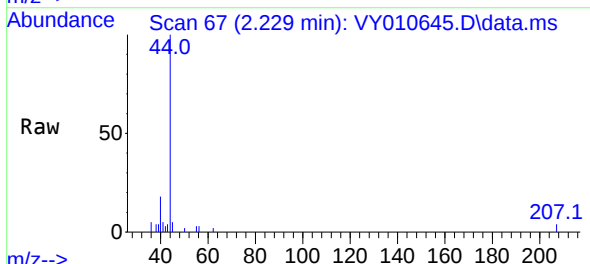
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-6.5-7.0

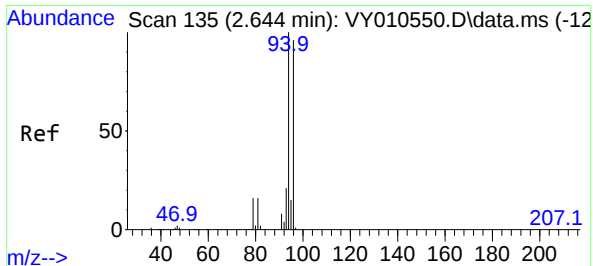
Tgt Ion: 50 Resp: 324  
Ion Ratio Lower Upper  
50 100  
52 43.9 24.6 37.0#



#4  
Vinyl Chloride  
Concen: Below Cal  
RT: 2.229 min Scan# 67  
Delta R.T. -0.012 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

Tgt Ion: 62 Resp: 19  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.0 37.6#

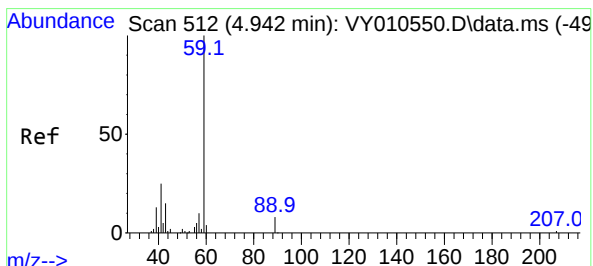
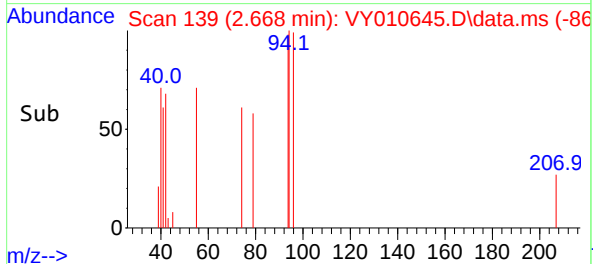
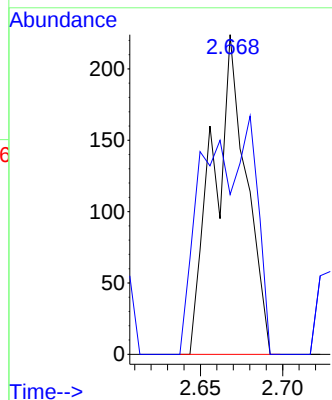
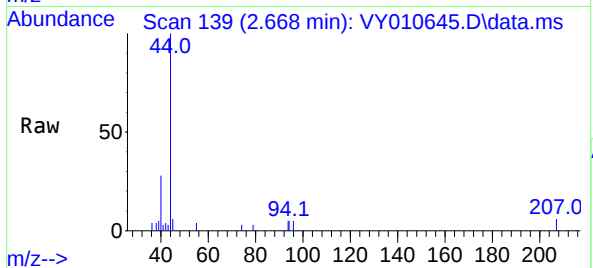




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.668 min Scan# 11  
Delta R.T. 0.024 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

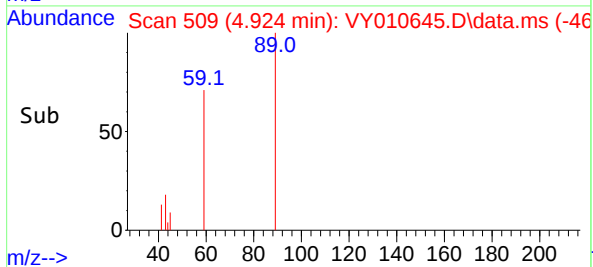
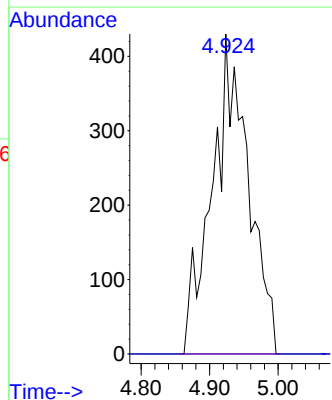
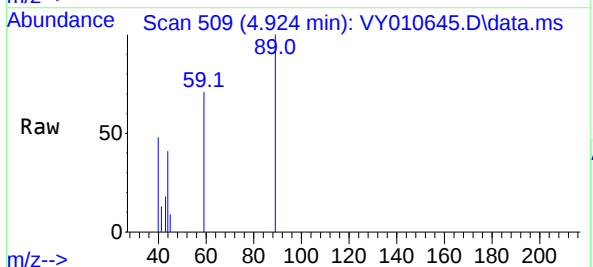
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-6.5-7.0

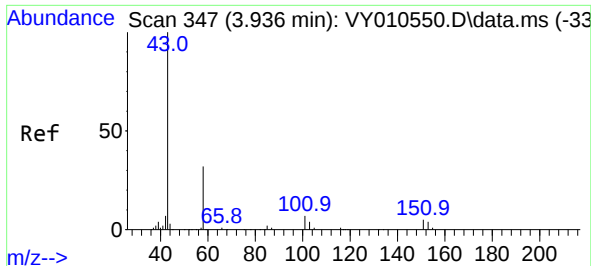
Tgt Ion: 94 Resp: 317  
Ion Ratio Lower Upper  
94 100  
96 50.0 73.5 110.3#



#11  
Tert butyl alcohol  
Concen: 5.072 ug/l  
RT: 4.924 min Scan# 509  
Delta R.T. -0.018 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

Tgt Ion: 59 Resp: 1580  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

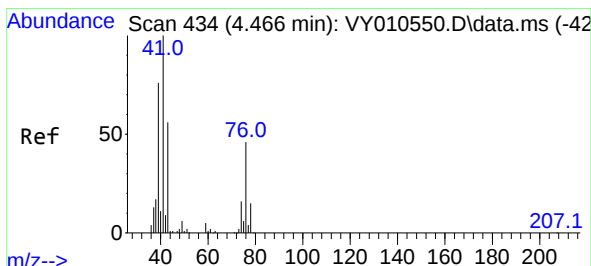
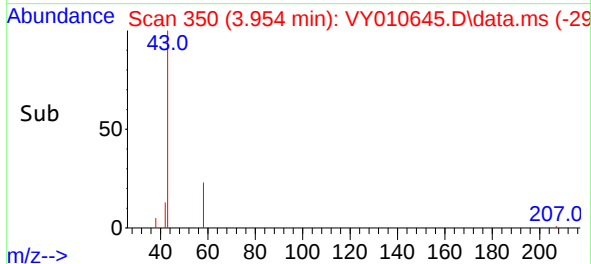
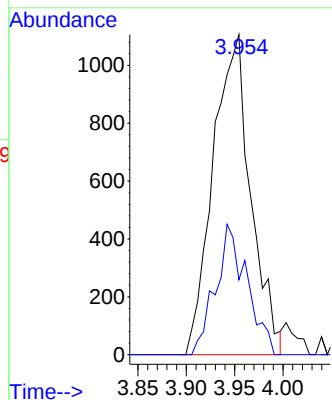
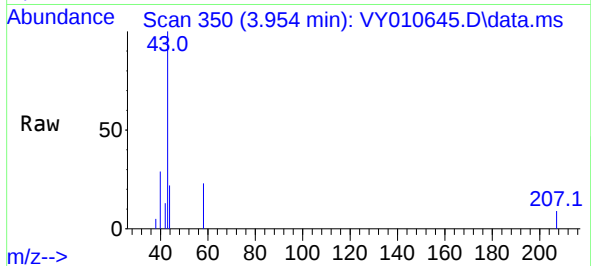




#16  
Acetone  
Concen: 13.330 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.018 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

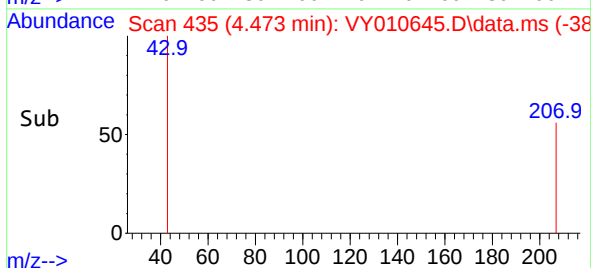
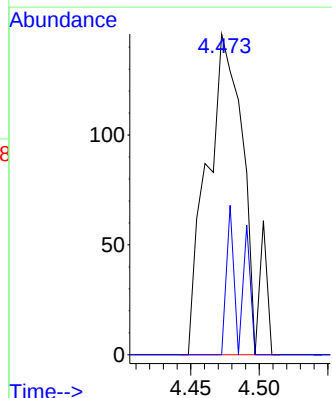
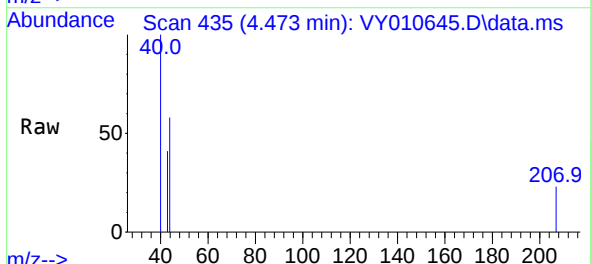
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-6.5-7.0

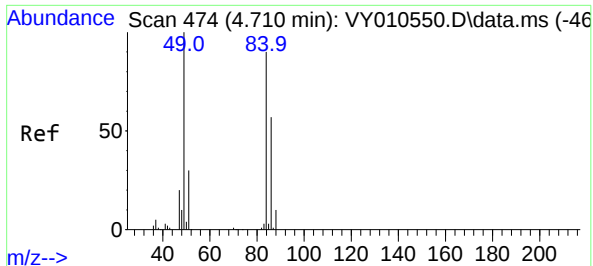
Tgt Ion: 43 Resp: 2998  
Ion Ratio Lower Upper  
43 100  
58 23.4 22.0 33.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.473 min Scan# 435  
Delta R.T. 0.007 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

Tgt Ion: 43 Resp: 281  
Ion Ratio Lower Upper  
43 100  
74 16.4 16.6 24.8#



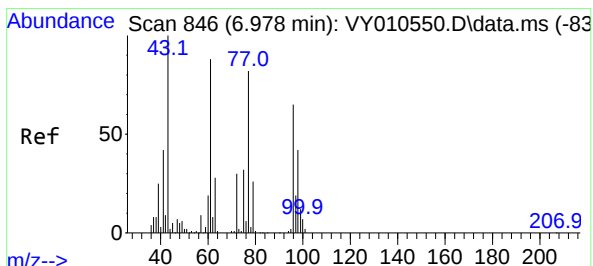
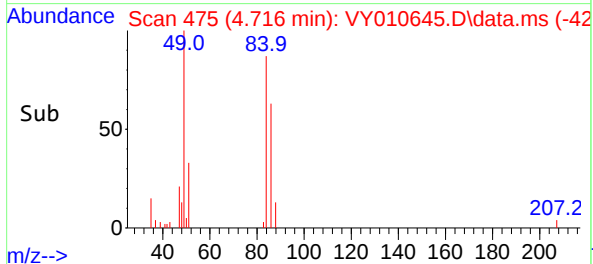
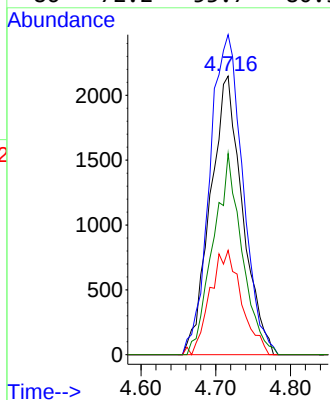
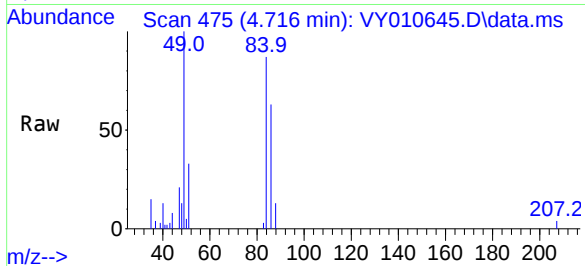


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-6.5-7.0

Tgt Ion: 84 Resp: 6414

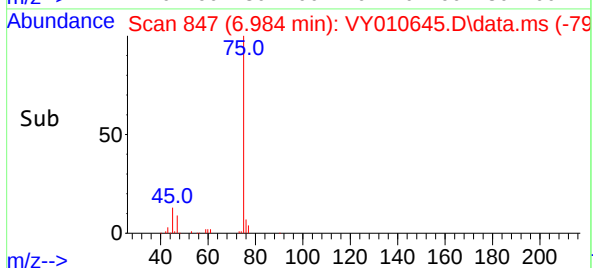
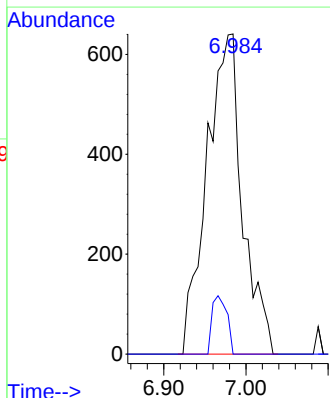
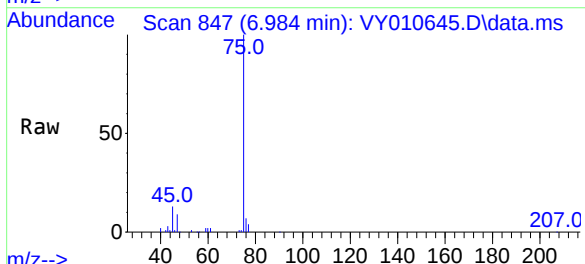
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 114.9 | 114.4 | 171.6 |
| 51  | 37.5  | 35.3  | 52.9  |
| 86  | 72.2  | 53.7  | 80.5  |

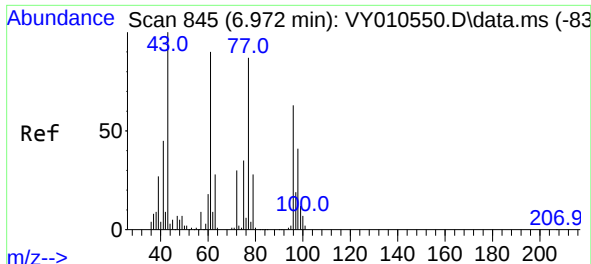


#25  
2-Butanone  
Concen: 5.512 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

Tgt Ion: 43 Resp: 1939

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 17.7  | 26.5# |

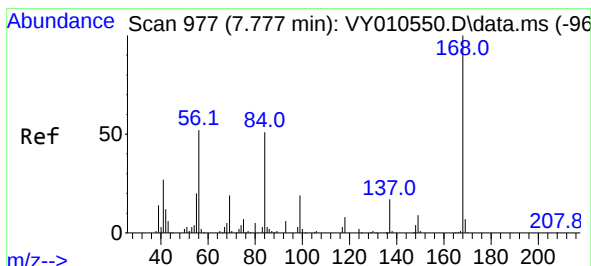
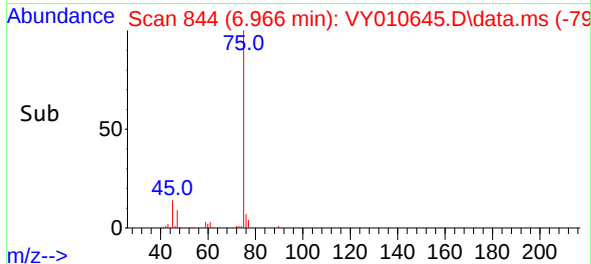
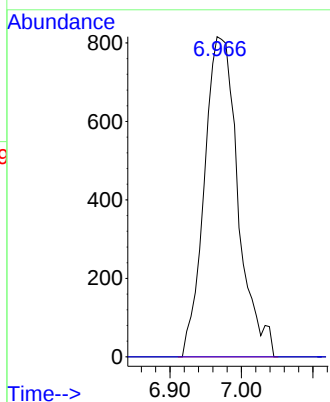
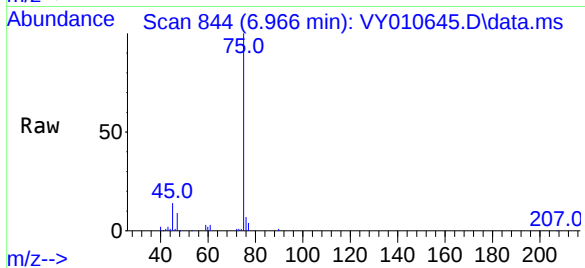




#26  
2,2-Dichloropropane  
Concen: 1.599 ug/l  
RT: 6.966 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

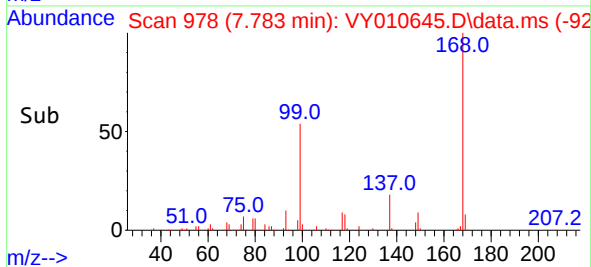
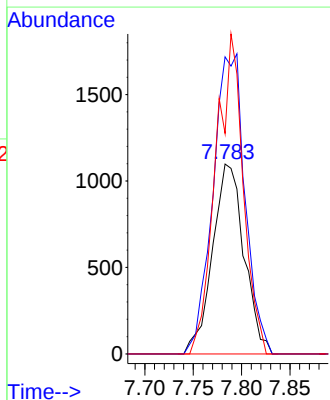
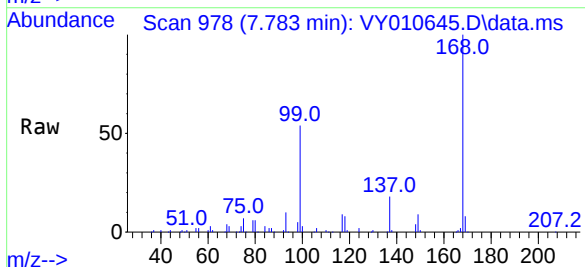
Instrument :  
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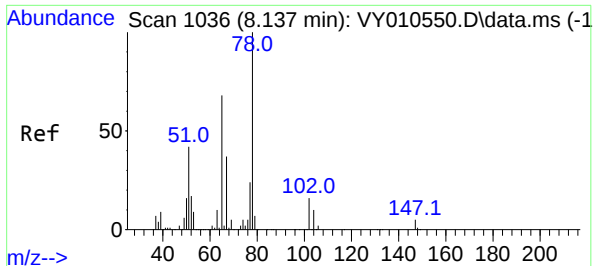
Tgt Ion: 77 Resp: 2675  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.4 31.4#



#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.783 min Scan# 978  
Delta R.T. 0.006 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

Tgt Ion: 56 Resp: 2496  
Ion Ratio Lower Upper  
56 100  
69 156.6 26.7 40.1#  
84 116.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 47.472 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY010645.D

Acq: 23 Sep 2022 13:49

Instrument :

MSVOA\_Y

ClientSampleId :

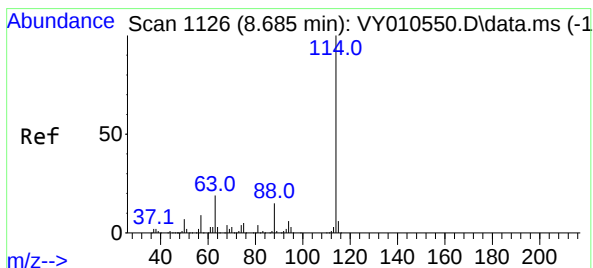
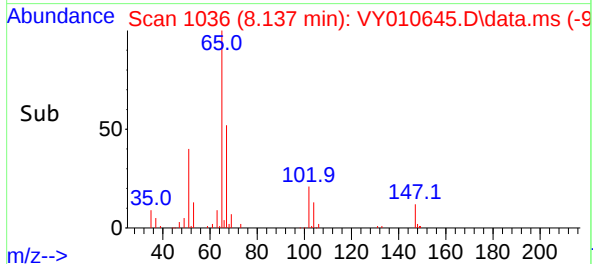
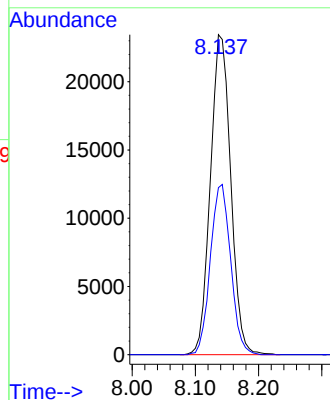
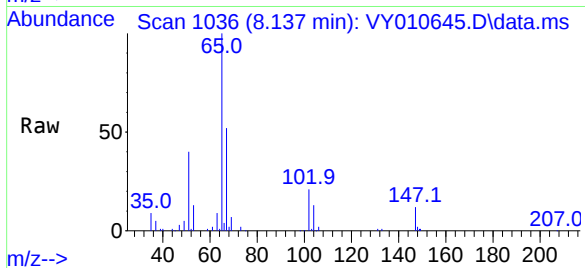
SB-08-6.5-7.0

Tgt Ion: 65 Resp: 52358

Ion Ratio Lower Upper

65 100

67 53.0 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: VY010645.D

Acq: 23 Sep 2022 13:49

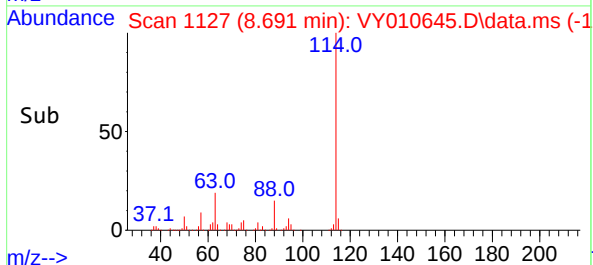
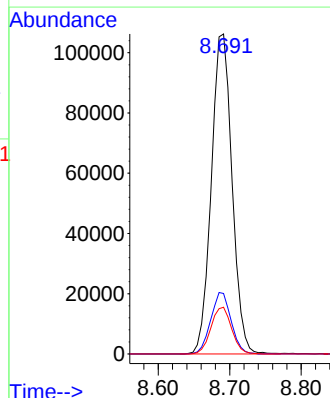
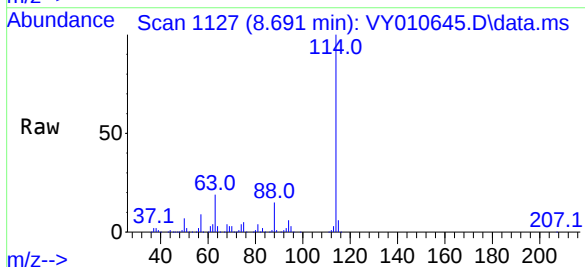
Tgt Ion: 114 Resp: 213782

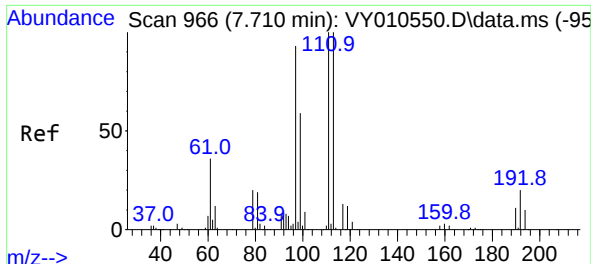
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 14.6 0.0 31.8

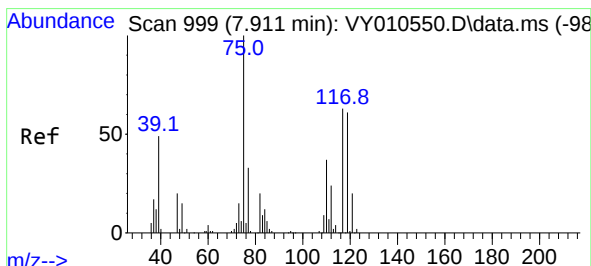
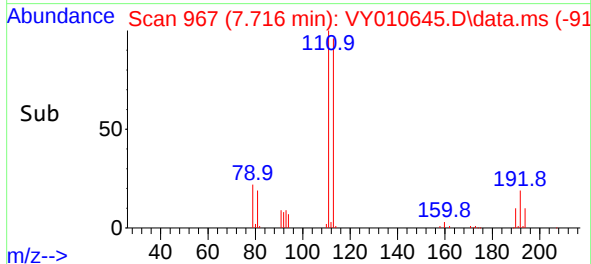
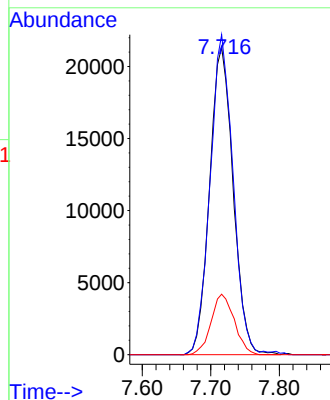
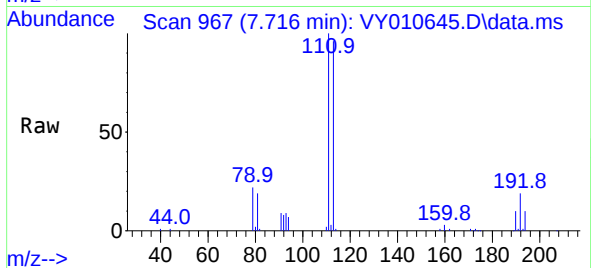




#35  
Dibromofluoromethane  
Concen: 37.280 ug/l  
RT: 7.716 min Scan# 910  
Delta R.T. 0.006 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

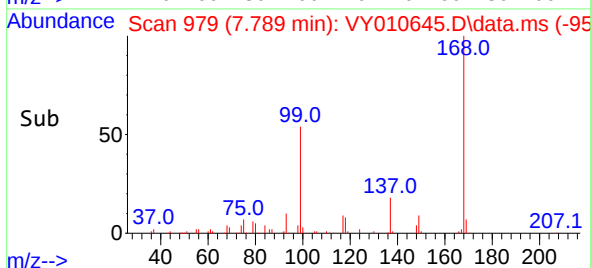
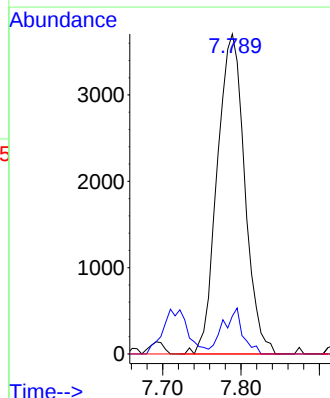
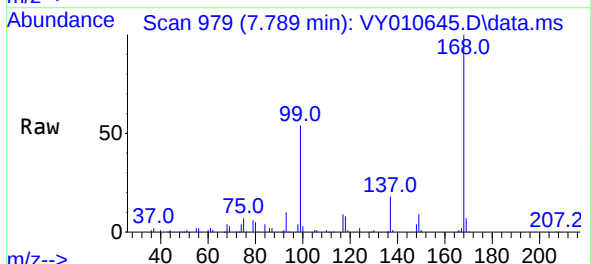
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-6.5-7.0

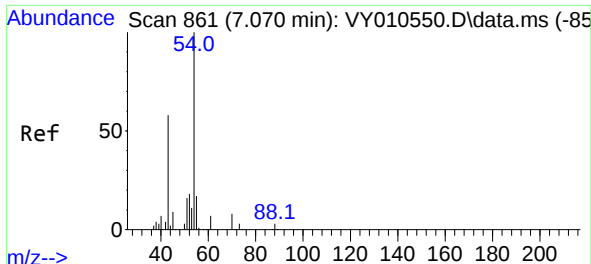
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 50863 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.8 | 82.6  | 124.0 |
| 192      | 19.4  | 17.6  | 26.4  |



#36  
1,1-Dichloropropene  
Concen: 5.949 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9044  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 10.2  | 17.1  | 51.2# |
| 77       | 0.0   | 24.4  | 36.6# |





#37

Ethyl Acetate

Concen: 2.208 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY010645.D

Acq: 23 Sep 2022 13:49

Instrument :

MSVOA\_Y

ClientSampleId :

SB-08-6.5-7.0

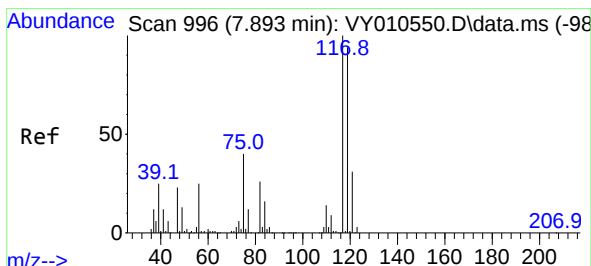
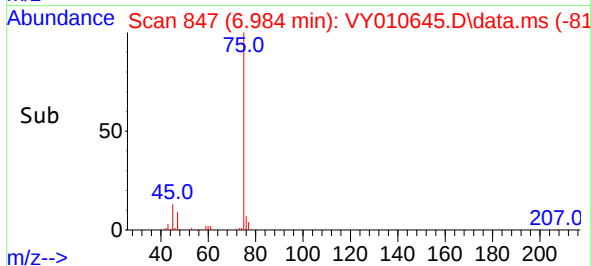
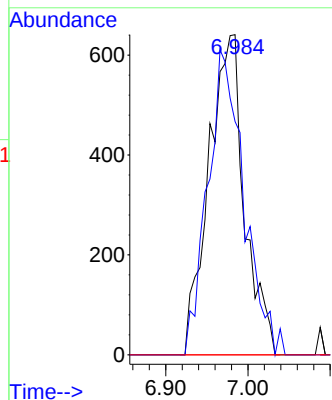
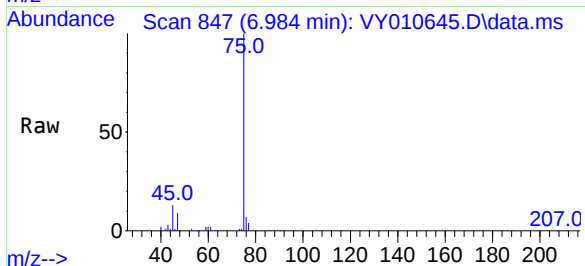
Tgt Ion: 43 Resp: 1939

Ion Ratio Lower Upper

43 100

61 96.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.453 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY010645.D

Acq: 23 Sep 2022 13:49

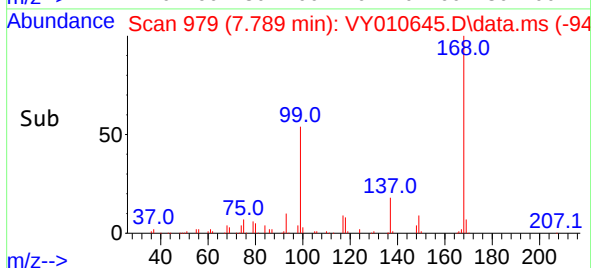
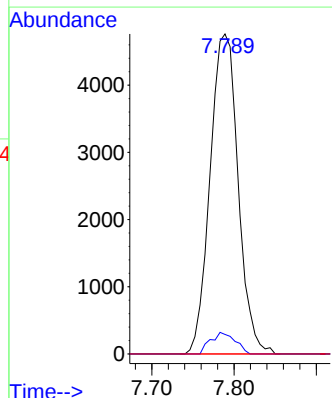
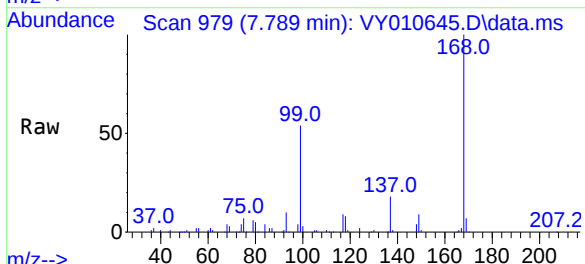
Tgt Ion: 117 Resp: 11280

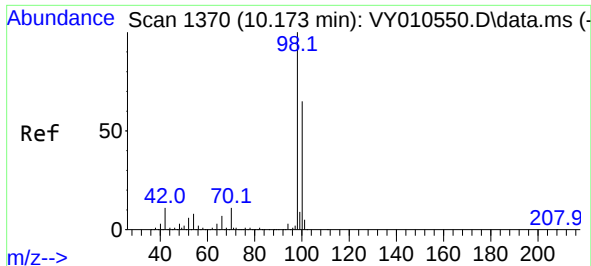
Ion Ratio Lower Upper

117 100

119 6.1 77.9 116.9#

121 0.0 24.8 37.2#

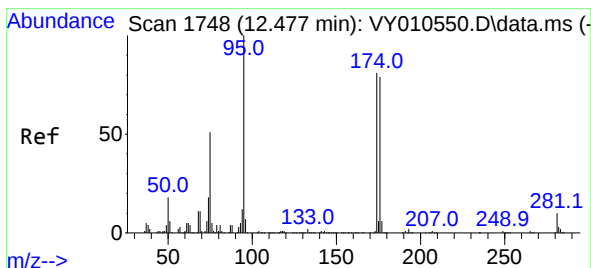
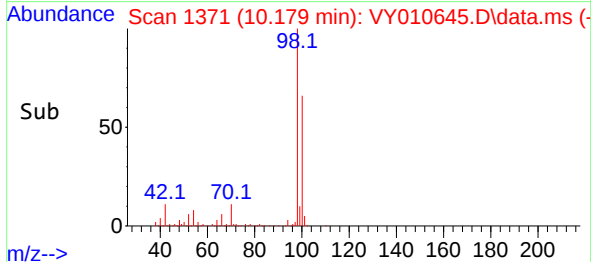
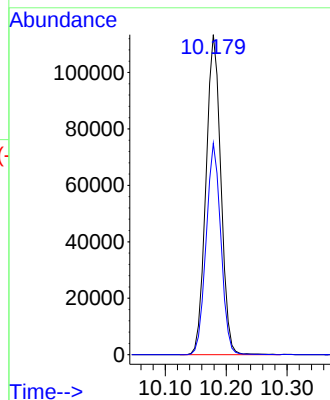
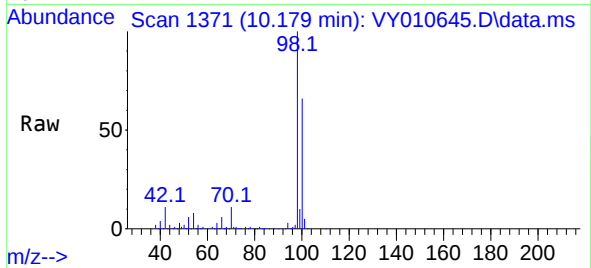




#50  
Toluene-d8  
Concen: 38.949 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

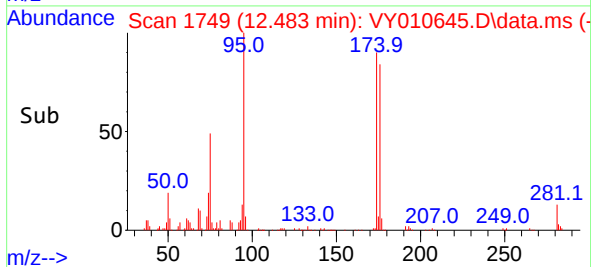
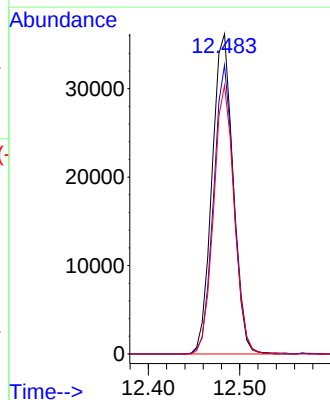
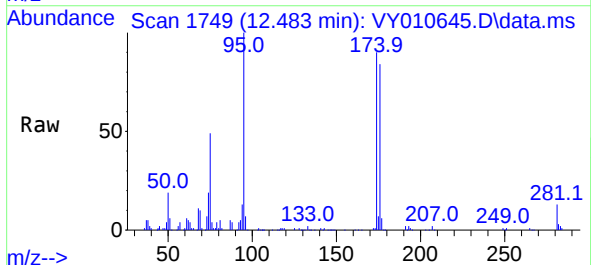
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-6.5-7.0

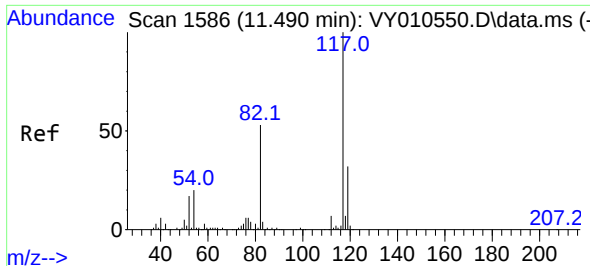
Tgt Ion: 98 Resp: 192686  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 29.741 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

Tgt Ion: 95 Resp: 57704  
Ion Ratio Lower Upper  
95 100  
174 87.9 0.0 177.0  
176 82.4 0.0 175.8

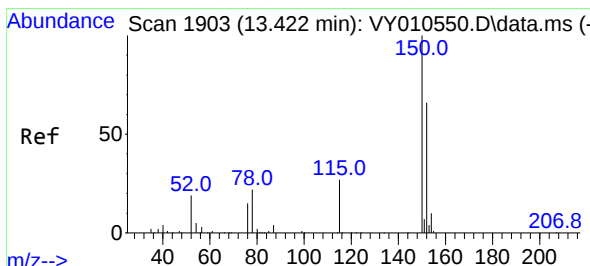
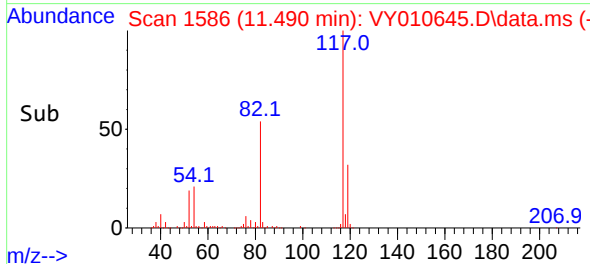
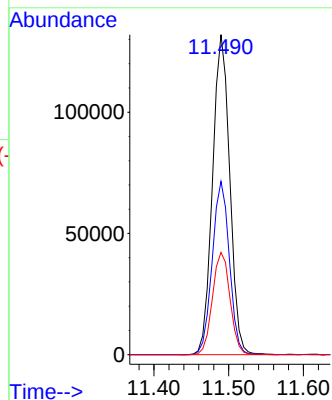
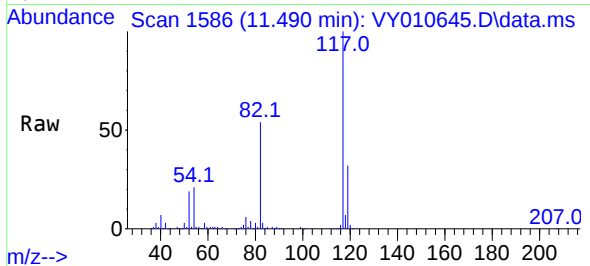




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

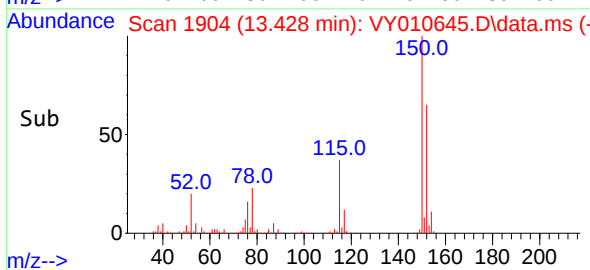
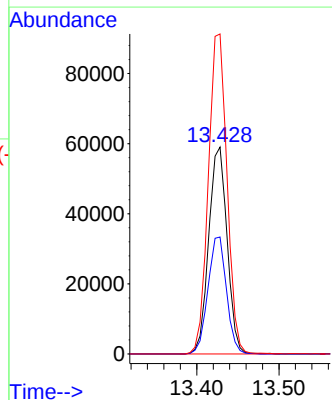
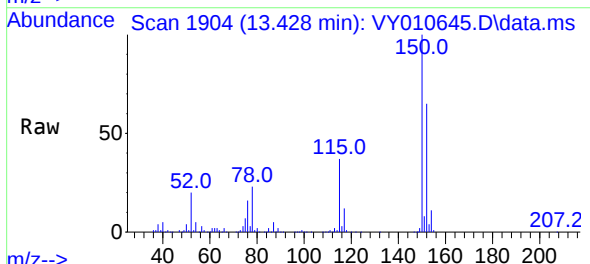
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-6.5-7.0

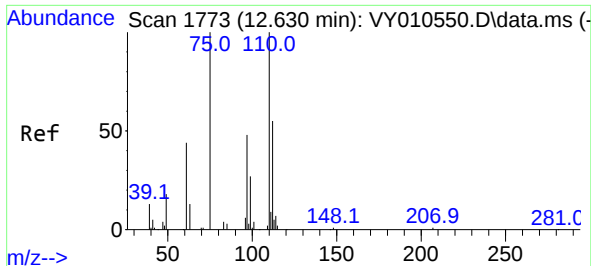
Tgt Ion:117 Resp: 211423  
Ion Ratio Lower Upper  
117 100  
82 54.1 43.0 64.4  
119 31.9 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

Tgt Ion:152 Resp: 91758  
Ion Ratio Lower Upper  
152 100  
115 57.0 28.2 84.7  
150 156.9 0.0 347.6

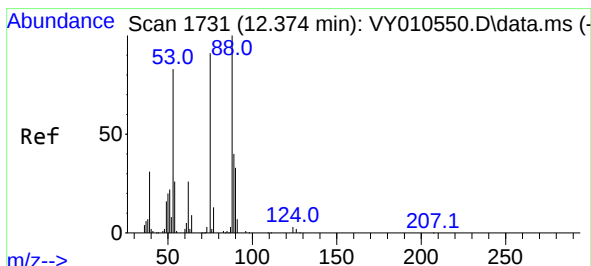
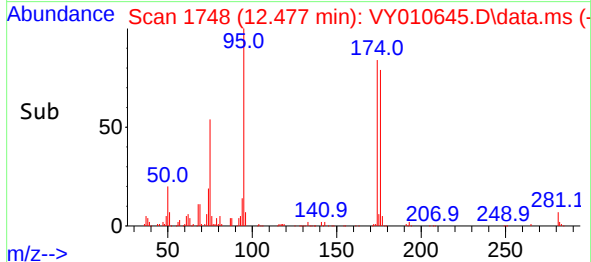
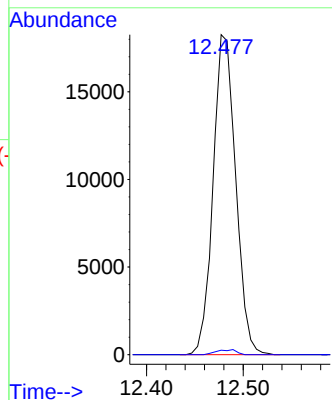
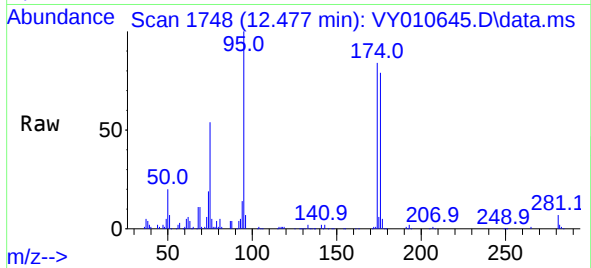




#76  
1,2,3-Trichloropropane  
Concen: 33.807 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-6.5-7.0

Tgt Ion: 75 Resp: 29607  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.167 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.103 min  
Lab File: VY010645.D  
Acq: 23 Sep 2022 13:49

Tgt Ion: 75 Resp: 29607  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.2 37.0 55.4#

