

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081922\  
 Data File : VD074165.D  
 Acq On : 19 Aug 2022 23:16  
 Operator : VA/SY  
 Sample : N4258-03  
 Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 280251

Quant Time: Aug 20 01:30:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 19 09:25:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) Pentafluorobenzene         | 7.967  | 168   | 2348     | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 5536     | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.637 | 117   | 6213     | 50.000   | ug/l        | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 3103     | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.320  | 65    | 2122     | 131.321  | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 262.640%# |          |
| 35) Dibromofluoromethane      | 7.902  | 113   | 1889     | 71.389   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 142.780%  |          |
| 50) Toluene-d8                | 10.326 | 98    | 4396     | 59.008   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 118.020%  |          |
| 62) 4-Bromofluorobenzene      | 12.614 | 95    | 5650     | 136.394  | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 272.780%# |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 3) Chloromethane              | 2.209  | 50    | 129      | 6.105    | ug/l #      | 40       |
| 5) Bromomethane               | 2.791  | 94    | 211      | 17.768   | ug/l        | 87       |
| 16) Acetone                   | 4.161  | 43    | 77       | 15.222   | ug/l #      | 47       |
| 20) Methylene Chloride        | 4.955  | 84    | 447      | 2.975    | ug/l #      | 51       |
| 25) 2-Butanone                | 7.185  | 43    | 115      | 13.932   | ug/l #      | 52       |
| 26) 2,2-Dichloropropane       | 7.191  | 77    | 60       | 1.340    | ug/l #      | 54       |
| 29) Tetrahydrofuran           | 7.420  | 42    | 55       | 10.987   | ug/l #      | 38       |
| 30) Chloroform                | 7.938  | 83    | 114      | 2.118    | ug/l #      | 17       |
| 31) Cyclohexane               | 8.143  | 56    | 55       | 1.106    | ug/l #      | 2        |
| 32) 1,1,1-Trichloroethane     | 8.073  | 97    | 58       | 1.211    | ug/l #      | 22       |
| 36) 1,1-Dichloropropene       | 7.991  | 75    | 59       | 1.041    | ug/l #      | 17       |
| 37) Ethyl Acetate             | 7.185  | 43    | 115      | 4.529    | ug/l #      | 72       |
| 38) Carbon Tetrachloride      | 7.967  | 117   | 220      | 3.926    | ug/l #      | 13       |
| 39) Methylcyclohexane         | 9.361  | 83    | 451      | 6.828    | ug/l #      | 17       |
| 41) Methacrylonitrile         | 7.532  | 41    | 67       | 5.127    | ug/l #      | 27       |
| 43) Isopropyl Acetate         | 8.473  | 43    | 143      | 3.041    | ug/l #      | 54       |
| 45) 1,2-Dichloropropane       | 9.367  | 63    | 63       | 1.589    | ug/l #      | 42       |
| 46) Dibromomethane            | 9.455  | 93    | 266      | 12.033   | ug/l #      | 39       |
| 47) Bromodichloromethane      | 9.667  | 83    | 168      | 3.006    | ug/l #      | 24       |
| 48) Methyl methacrylate       | 9.467  | 41    | 203      | 8.759    | ug/l #      | 1        |
| 51) 4-Methyl-2-Pentanone      | 10.232 | 43    | 406      | 16.775   | ug/l #      | 39       |
| 53) t-1,3-Dichloropropene     | 10.567 | 75    | 55       | 1.083    | ug/l #      | 69       |
| 55) 1,1,2-Trichloroethane     | 10.773 | 97    | 809      | 27.797   | ug/l #      | 39       |
| 56) Ethyl methacrylate        | 10.661 | 69    | 430      | 12.084   | ug/l #      | 74       |
| 57) 1,3-Dichloropropane       | 11.196 | 76    | 103      | 1.999    | ug/l #      | 14       |
| 59) 2-Hexanone                | 10.973 | 43    | 421      | 26.080   | ug/l #      | 27       |
| 60) Dibromochloromethane      | 11.155 | 129   | 791      | 21.583   | ug/l        | 73       |
| 61) 1,2-Dibromoethane         | 10.967 | 107   | 278      | 9.831    | ug/l        | 93       |
| 64) Tetrachloroethene         | 10.855 | 164   | 132      | 3.130    | ug/l #      | 4        |
| 65) Chlorobenzene             | 11.649 | 112   | 1220     | 9.653    | ug/l #      | 42       |
| 66) 1,1,1,2-Tetrachloroethane | 11.543 | 131   | 672      | 14.700   | ug/l        | 94       |
| 67) Ethyl Benzene             | 11.732 | 91    | 493      | 2.209    | ug/l #      | 36       |
| 68) m/p-Xylenes               | 11.843 | 106   | 175      | 2.040    | ug/l #      | 42       |
| 69) o-Xylene                  | 12.143 | 106   | 381      | 4.752    | ug/l        | 34       |
| 70) Styrene                   | 12.167 | 104   | 878      | 6.410    | ug/l #      | 48       |
| 71) Bromoform                 | 12.343 | 173   | 969      | 39.641   | ug/l #      | 61       |

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 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 19 09:25:06 2022  
 Response via : Initial Calibration

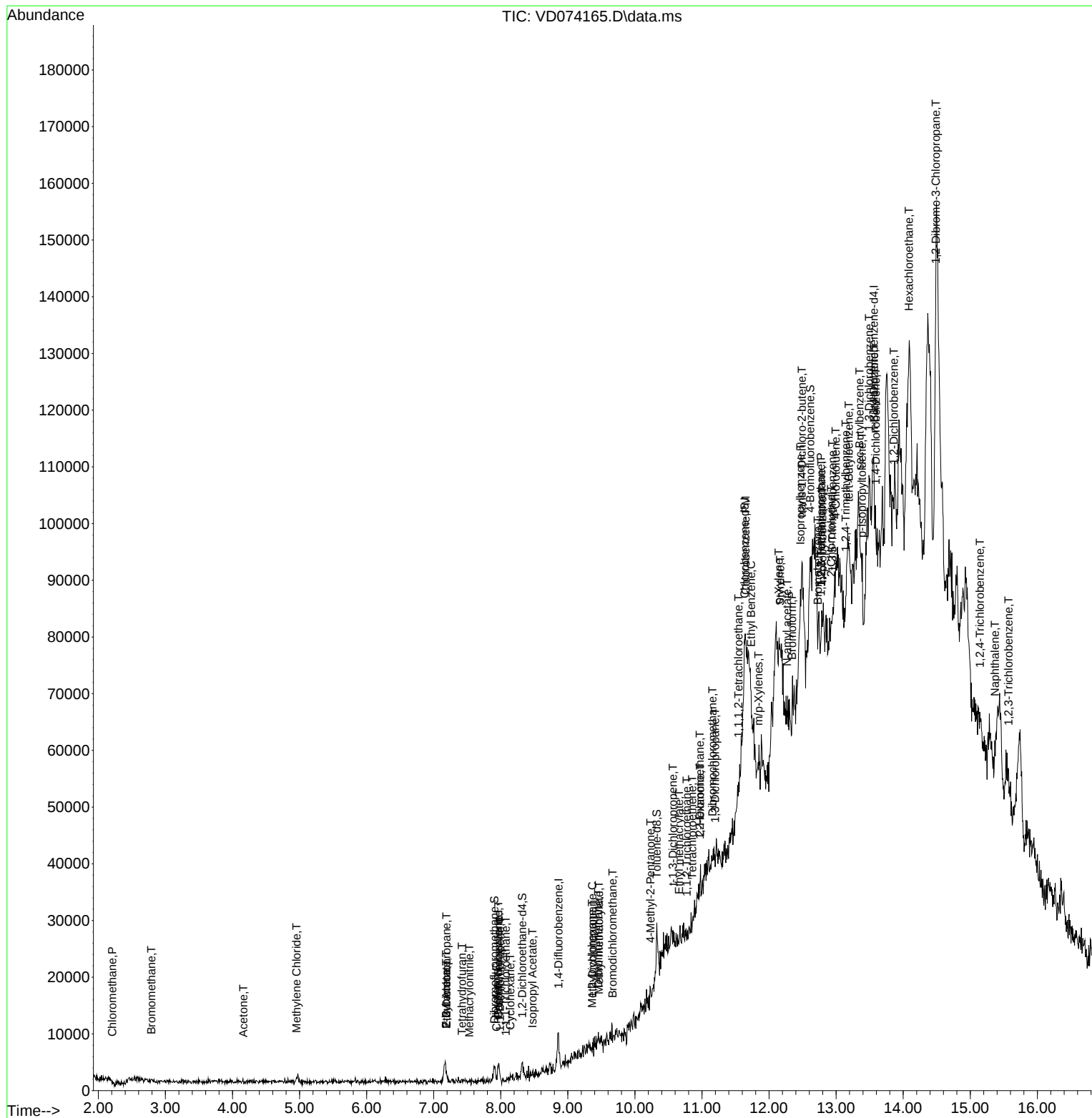
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 73) Isopropylbenzene          | 12.467 | 105  | 732      | 3.239  | ug/l   | 84       |
| 74) N-amyl acetate            | 12.267 | 43   | 1004     | 17.700 | ug/l # | 40       |
| 75) 1,1,2,2-Tetrachloroethane | 12.773 | 83   | 1750     | 40.450 | ug/l # | 48       |
| 76) 1,2,3-Trichloropropane    | 12.779 | 75   | 59       | 1.836  | ug/l # | 100      |
| 77) Bromobenzene              | 12.726 | 156  | 54       | 1.042  | ug/l # | 1        |
| 78) n-propylbenzene           | 12.796 | 91   | 2278     | 8.131  | ug/l   | 84       |
| 79) 2-Chlorotoluene           | 12.926 | 91   | 737      | 4.583  | ug/l   | 76       |
| 80) 1,3,5-Trimethylbenzene    | 12.943 | 105  | 826      | 4.372  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.490 | 75   | 60       | 4.886  | ug/l # | 1        |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 456      | 2.695  | ug/l   | 91       |
| 83) tert-Butylbenzene         | 13.190 | 119  | 1813     | 11.347 | ug/l # | 67       |
| 84) 1,2,4-Trimethylbenzene    | 13.143 | 105  | 602      | 3.234  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.349 | 105  | 419      | 1.725  | ug/l   | 83       |
| 86) p-Isopropyltoluene        | 13.384 | 119  | 1315     | 6.521  | ug/l   | 84       |
| 87) 1,3-Dichlorobenzene       | 13.490 | 146  | 1233     | 11.923 | ug/l # | 14       |
| 88) 1,4-Dichlorobenzene       | 13.590 | 146  | 763      | 7.389  | ug/l # | 64       |
| 89) n-Butylbenzene            | 13.567 | 91   | 625      | 3.178  | ug/l   | 86       |
| 90) Hexachloroethane          | 14.084 | 117  | 618      | 15.681 | ug/l # | 17       |
| 91) 1,2-Dichlorobenzene       | 13.861 | 146  | 453      | 4.956  | ug/l # | 8        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.484 | 75   | 64       | 8.620  | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 187      | 3.499  | ug/l # | 15       |
| 95) Naphthalene               | 15.367 | 128  | 417      | 3.853  | ug/l # | 1        |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 53       | 1.125  | ug/l # | 1        |
| -----                         |        |      |          |        |        |          |

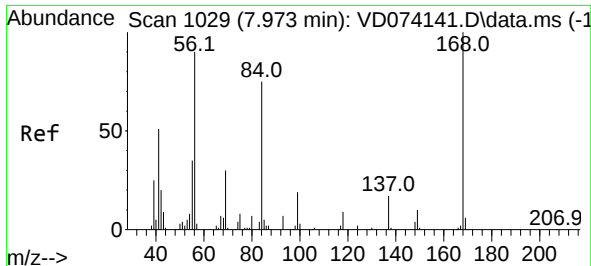
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Quant Title : SW846 8260  
QLast Update : Fri Aug 19 09:25:06 2022  
Response via : Initial Calibration

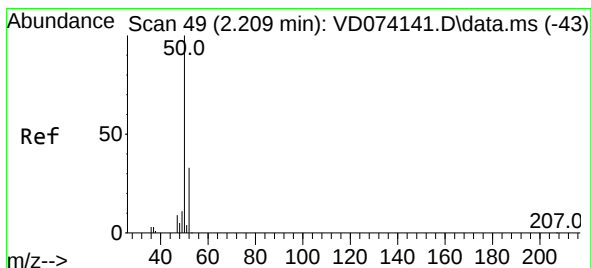
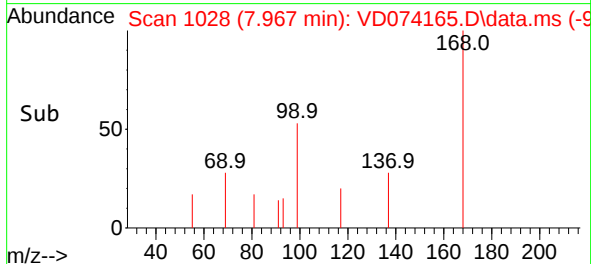
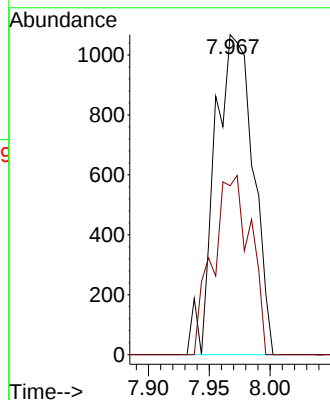
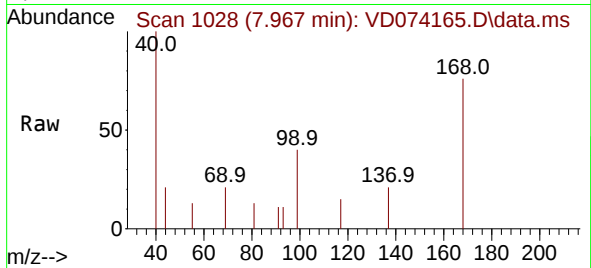




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.006 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

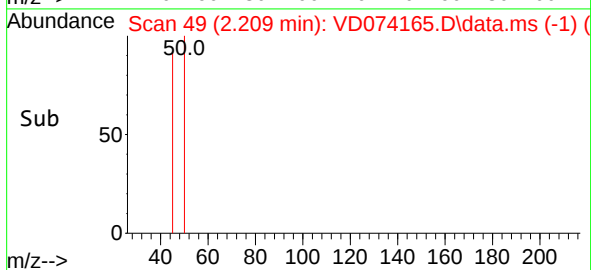
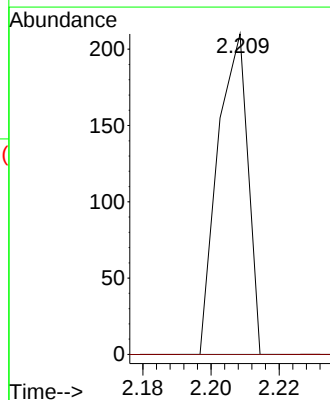
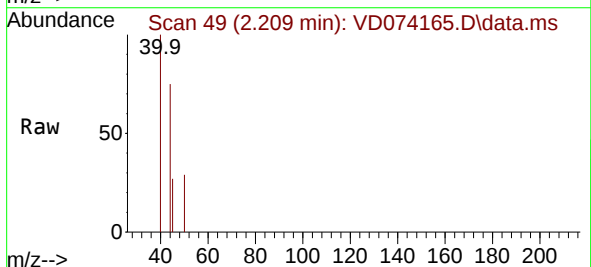
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

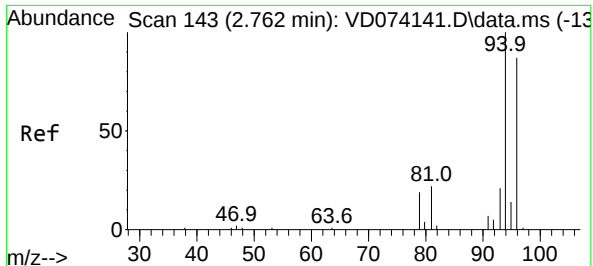
Tgt Ion:168 Resp: 2348  
Ion Ratio Lower Upper  
168 100  
99 52.8 49.8 74.6



#3  
Chloromethane  
Concen: 6.105 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 50 Resp: 129  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.4 41.0#





#5

Bromomethane

Concen: 17.768 ug/l

RT: 2.791 min Scan# 14

Delta R.T. 0.029 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

Instrument :

MSVOA\_D

ClientSampleId :

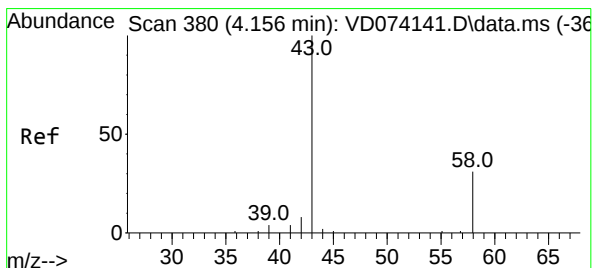
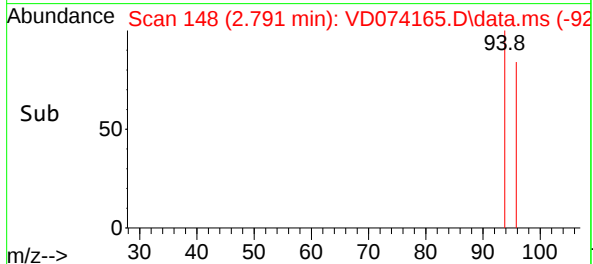
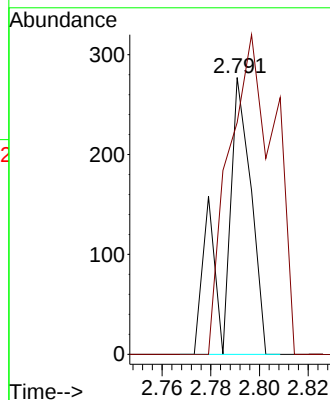
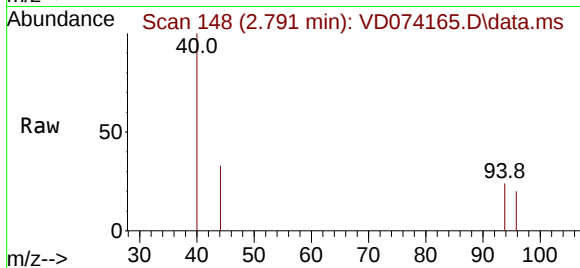
280251

Tgt Ion: 94 Resp: 211

Ion Ratio Lower Upper

94 100

96 83.8 77.6 116.4



#16

Acetone

Concen: 15.222 ug/l

RT: 4.161 min Scan# 381

Delta R.T. 0.005 min

Lab File: VD074165.D

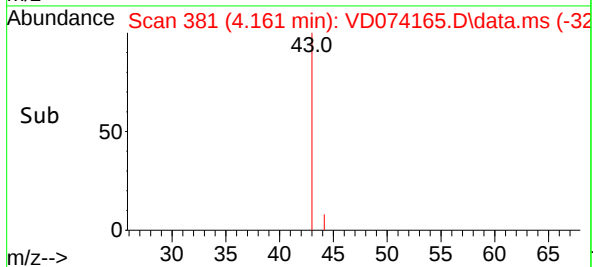
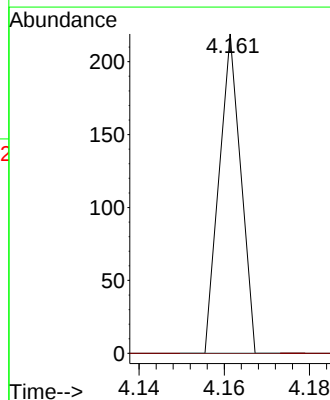
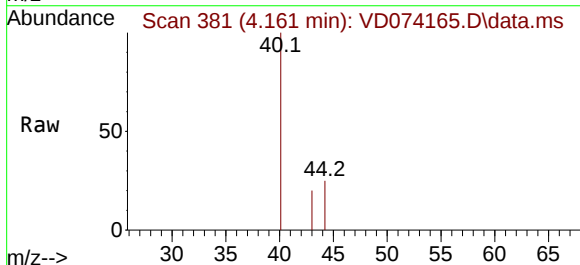
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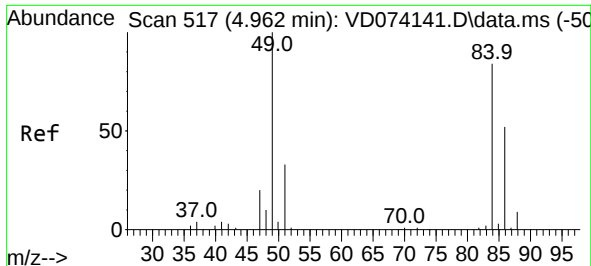
Tgt Ion: 43 Resp: 77

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#





#20

Methylene Chloride

Concen: 2.975 ug/l

RT: 4.955 min Scan# 517

Delta R.T. -0.007 min

Lab File: VD074165.D

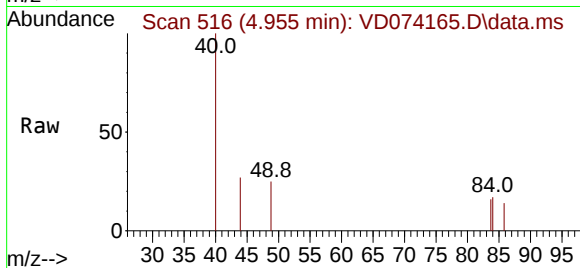
Acq: 19 Aug 2022 23:16

Instrument :

MSVOA\_D

ClientSampleId :

280251



Tgt Ion: 84 Resp: 447

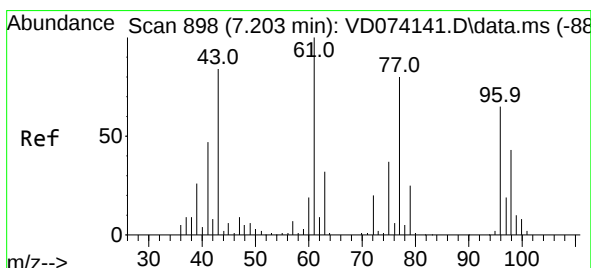
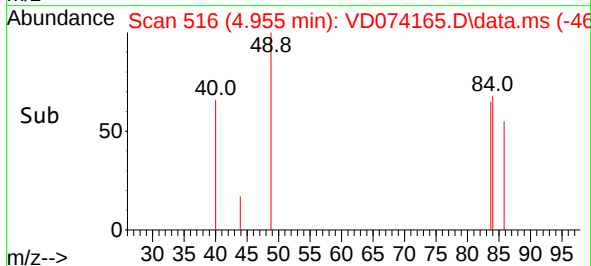
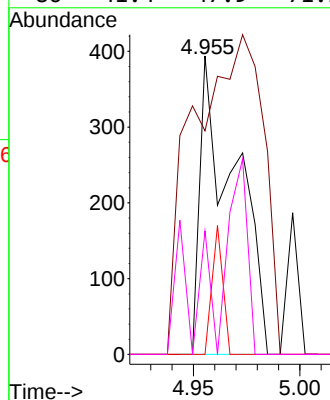
Ion Ratio Lower Upper

84 100

49 74.9 112.8 169.2#

51 0.0 32.6 48.8#

86 41.4 47.9 71.9#



#25

2-Butanone

Concen: 13.932 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.018 min

Lab File: VD074165.D

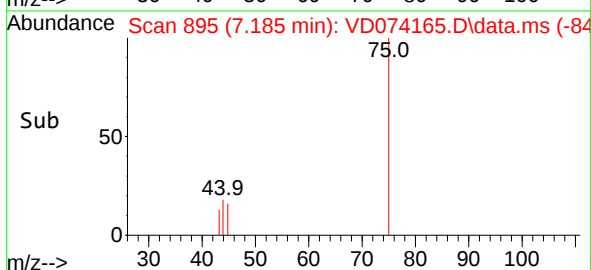
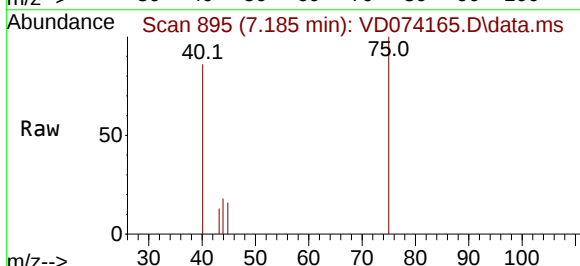
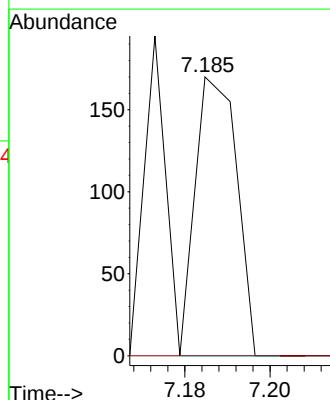
Acq: 19 Aug 2022 23:16

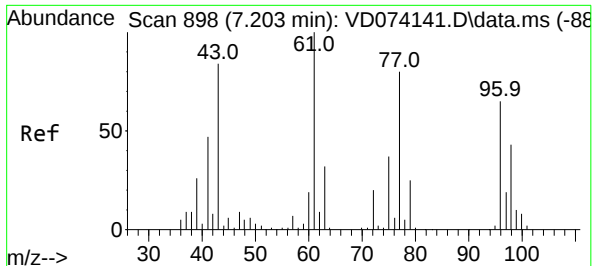
Tgt Ion: 43 Resp: 115

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 1.340 ug/l

RT: 7.191 min Scan# 898

Delta R.T. -0.012 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

Instrument :

MSVOA\_D

ClientSampleId :

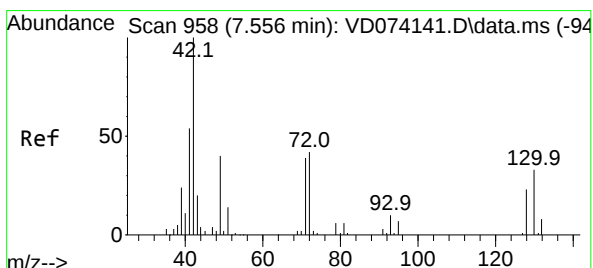
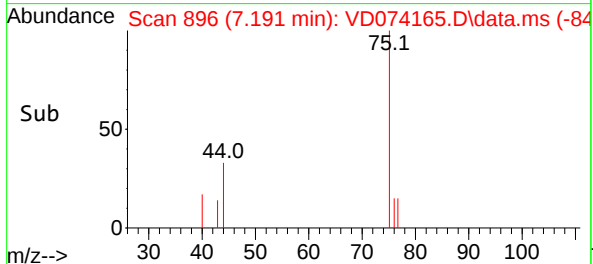
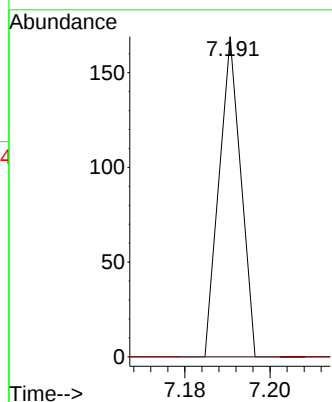
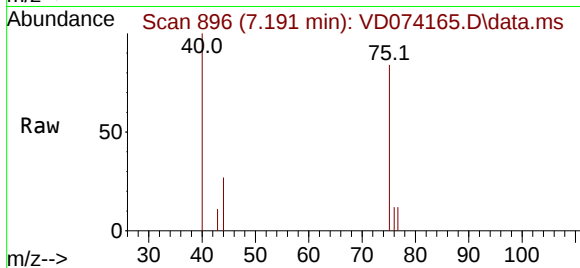
280251

Tgt Ion: 77 Resp: 60

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#29

Tetrahydrofuran

Concen: 10.987 ug/l

RT: 7.420 min Scan# 935

Delta R.T. -0.136 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

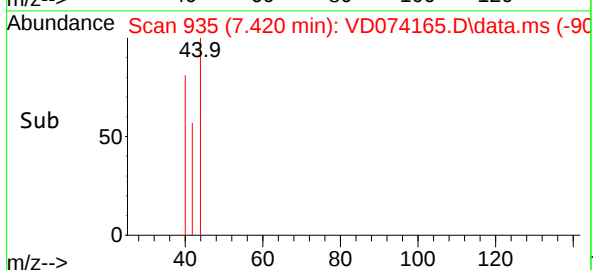
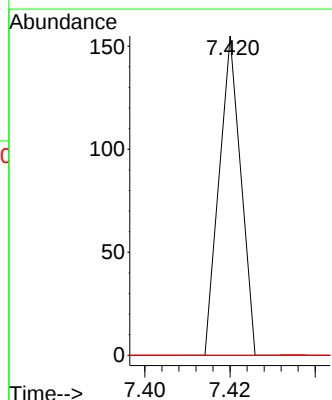
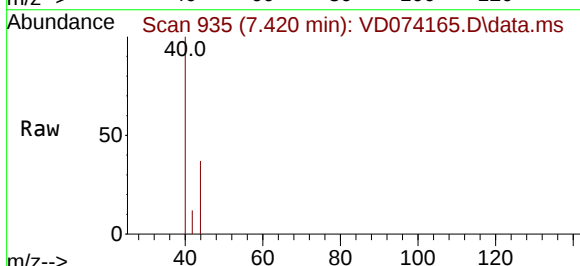
Tgt Ion: 42 Resp: 55

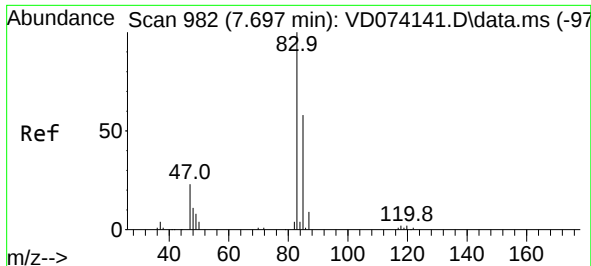
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#





#30

Chloroform

Concen: 2.118 ug/l

RT: 7.938 min Scan# 1023

Delta R.T. 0.241 min

Lab File: VD074165.D

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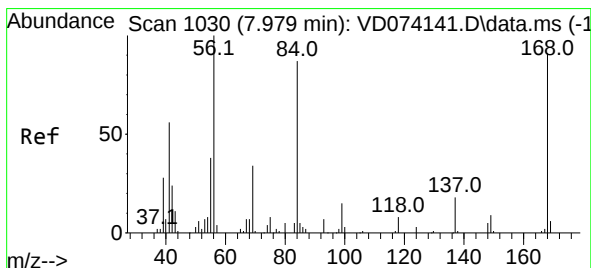
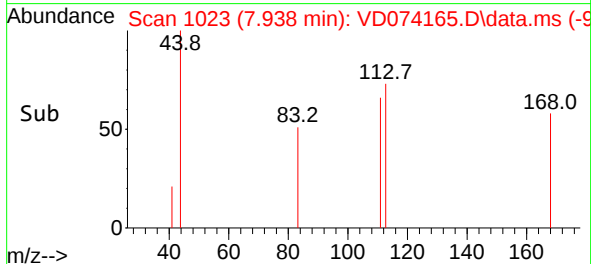
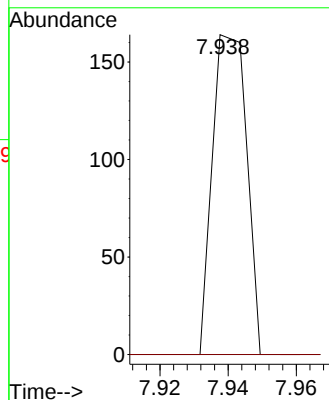
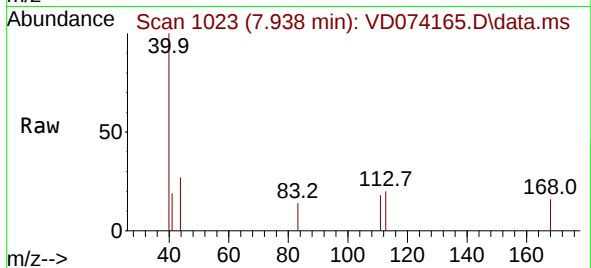
280251

Tgt Ion: 83 Resp: 114

Ion Ratio Lower Upper

83 100

85 0.0 52.7 79.1#



#31

Cyclohexane

Concen: 1.106 ug/l

RT: 8.143 min Scan# 1058

Delta R.T. 0.164 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

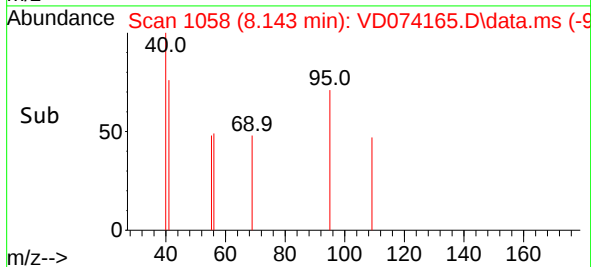
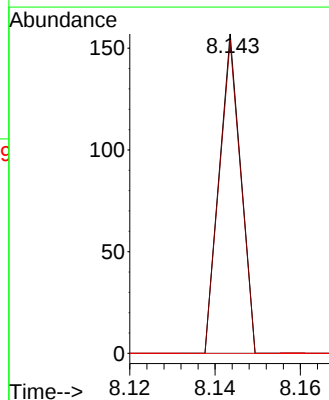
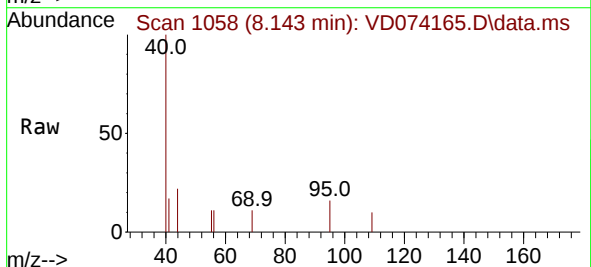
Tgt Ion: 56 Resp: 55

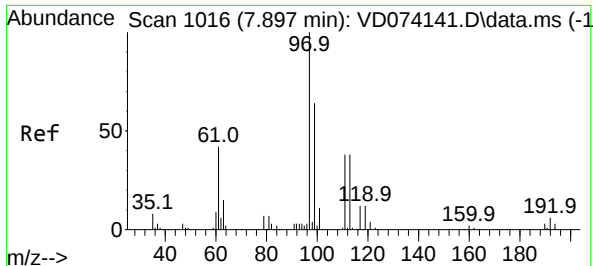
Ion Ratio Lower Upper

56 100

69 98.1 25.4 38.2#

84 0.0 63.0 94.4#





#32

1,1,1-Trichloroethane

Concen: 1.211 ug/l

RT: 8.073 min Scan# 1046

Delta R.T. 0.176 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

Instrument :

MSVOA\_D

ClientSampleId :

280251

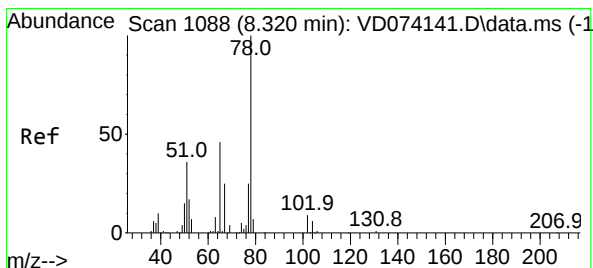
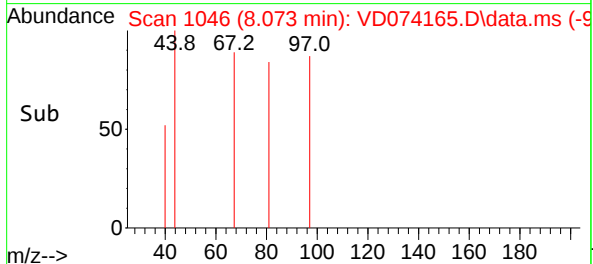
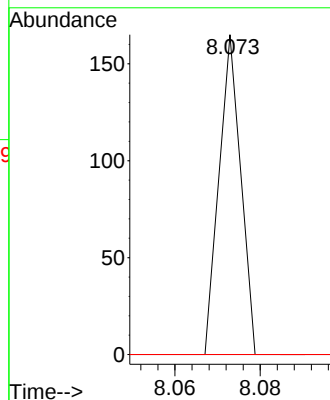
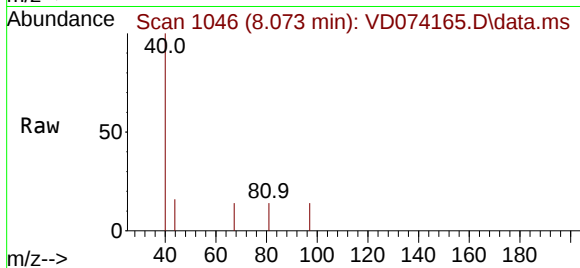
Tgt Ion: 97 Resp: 58

Ion Ratio Lower Upper

97 100

99 0.0 52.4 78.6#

61 0.0 38.0 57.0#



#33

1,2-Dichloroethane-d4

Concen: 131.321 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VD074165.D

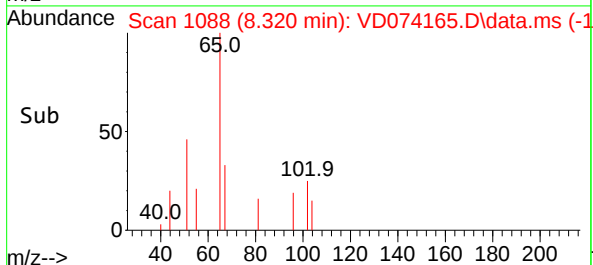
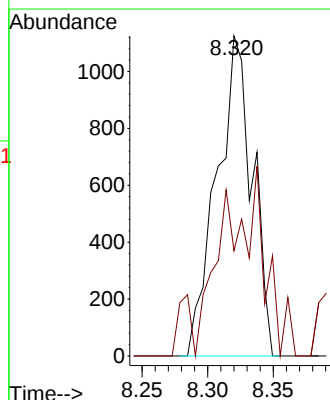
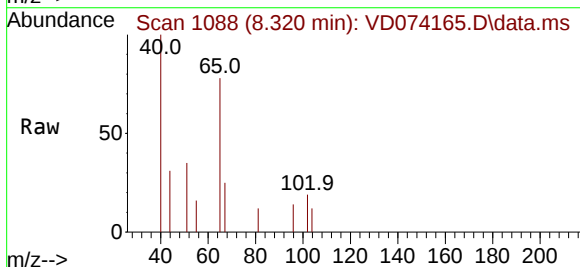
Acq: 19 Aug 2022 23:16

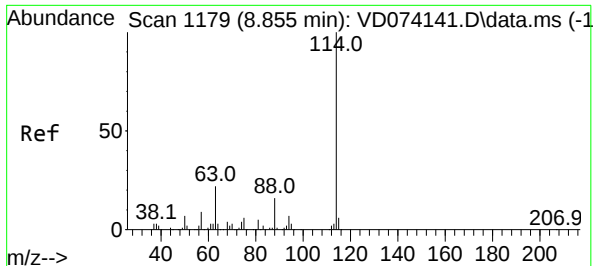
Tgt Ion: 65 Resp: 2122

Ion Ratio Lower Upper

65 100

67 29.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

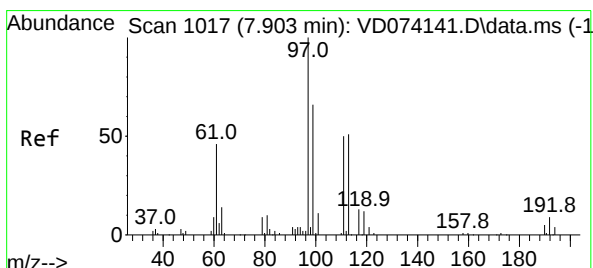
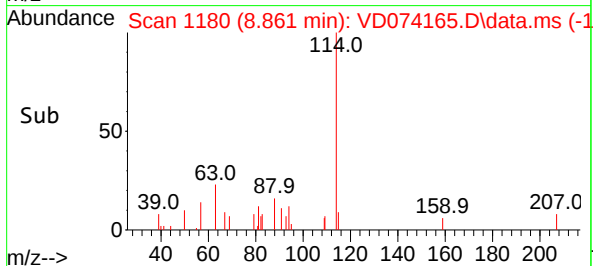
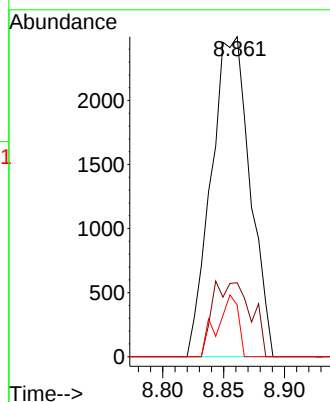
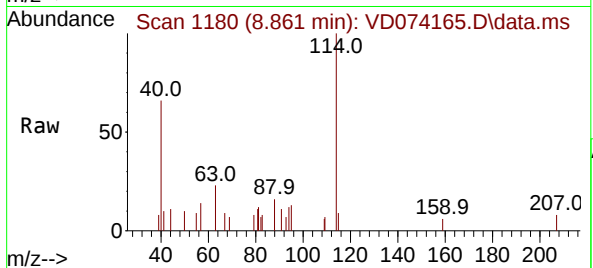
Instrument :

MSVOA\_D

ClientSampleId :

280251

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 5536        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 23.1  | 0.0 46.6    |
| 88          | 16.1  | 0.0 33.2    |



#35

Dibromofluoromethane

Concen: 71.389 ug/l

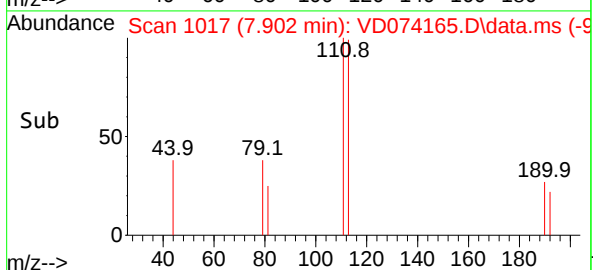
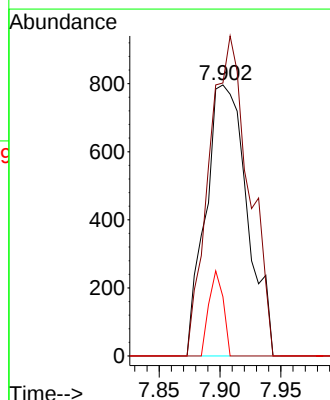
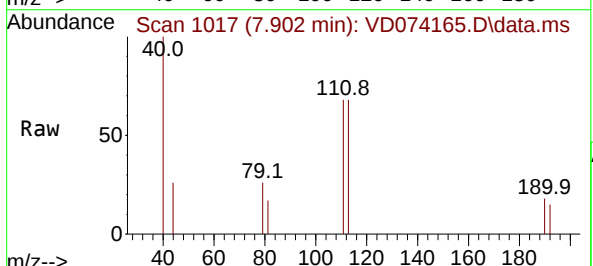
RT: 7.902 min Scan# 1017

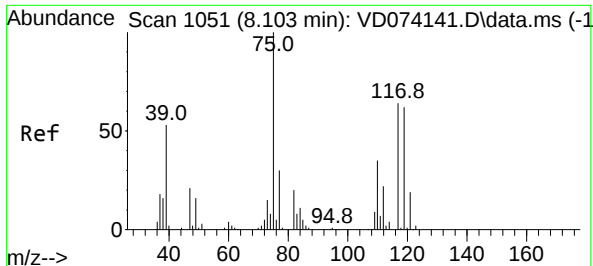
Delta R.T. -0.001 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 1889        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 113.6 | 83.8 125.6  |
| 192         | 10.7  | 14.6 21.8   |





#36

1,1-Dichloropropene

Concen: 1.041 ug/l

RT: 7.991 min Scan# 1051

Delta R.T. -0.112 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

Instrument :

MSVOA\_D

ClientSampleId :

280251

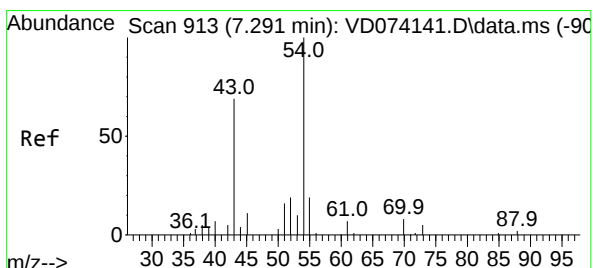
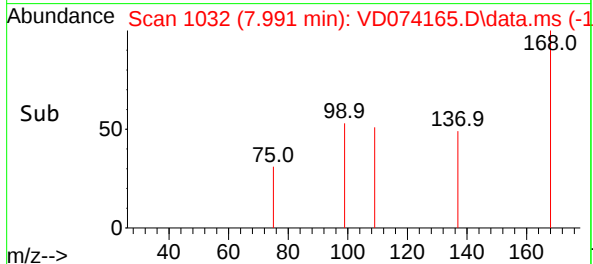
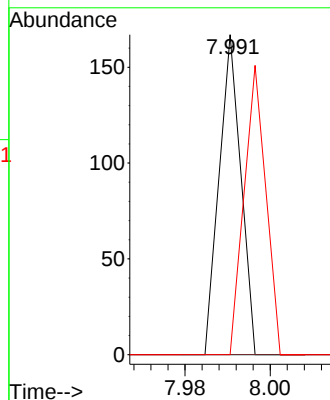
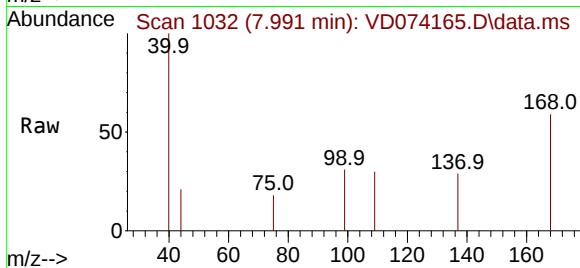
Tgt Ion: 75 Resp: 59

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 89.8 24.2 36.2#



#37

Ethyl Acetate

Concen: 4.529 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.106 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

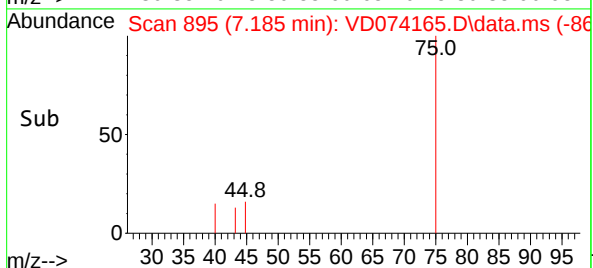
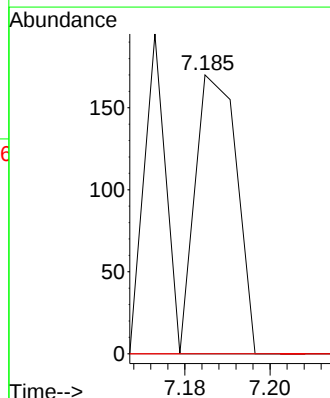
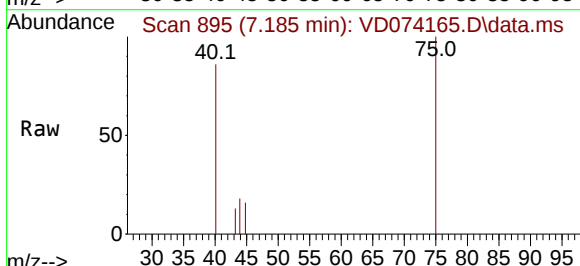
Tgt Ion: 43 Resp: 115

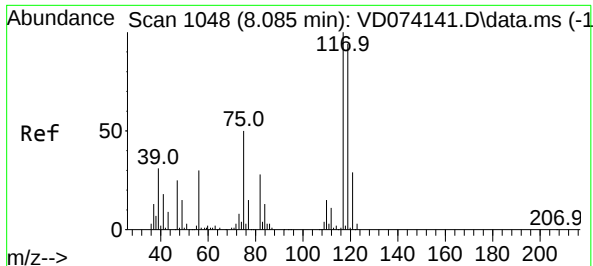
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#

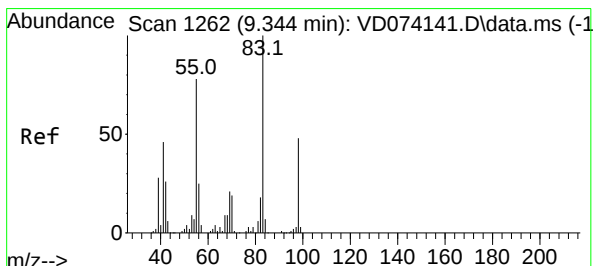
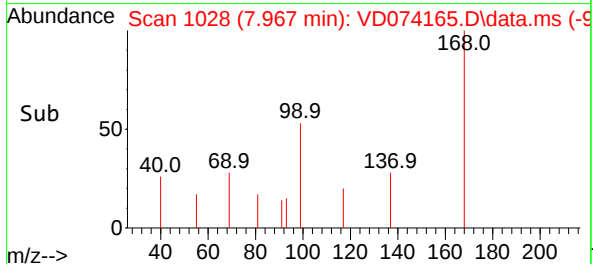
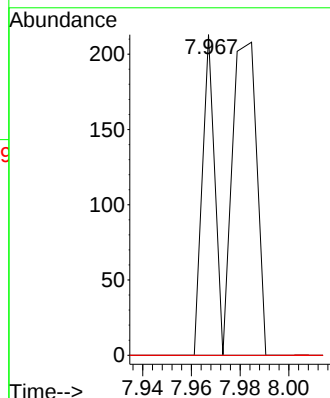
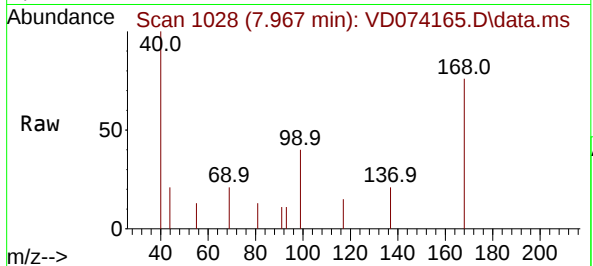




#38  
Carbon Tetrachloride  
Concen: 3.926 ug/l  
RT: 7.967 min Scan# 117  
Delta R.T. -0.118 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

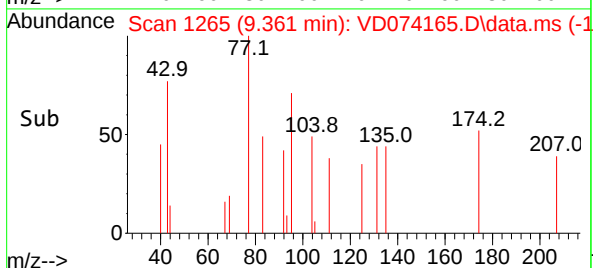
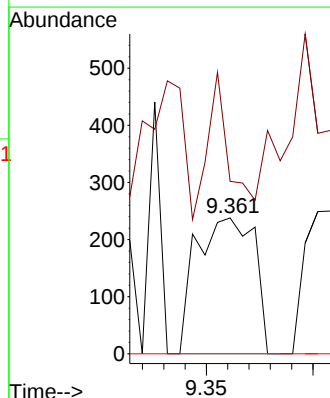
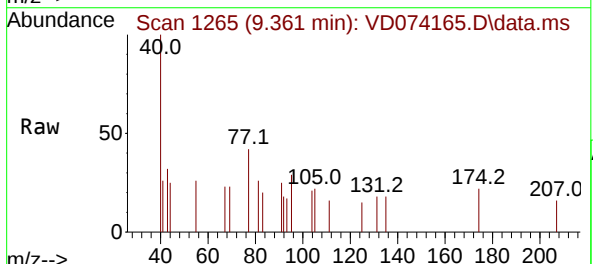
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

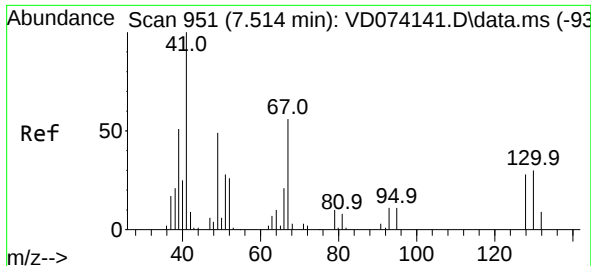
Tgt Ion:117 Resp: 220  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.8 113.6#  
121 0.0 24.5 36.7#



#39  
Methylcyclohexane  
Concen: 6.828 ug/l  
RT: 9.361 min Scan# 1265  
Delta R.T. 0.017 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 83 Resp: 451  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.2 94.8#  
98 0.0 38.2 57.4#

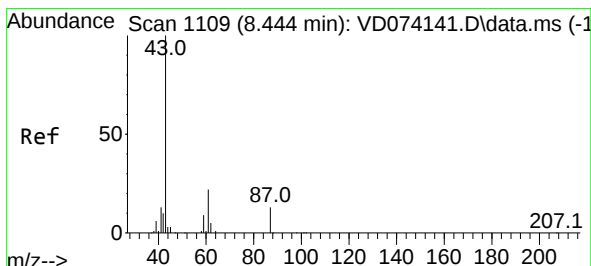
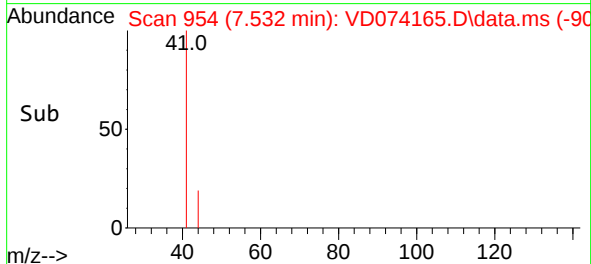
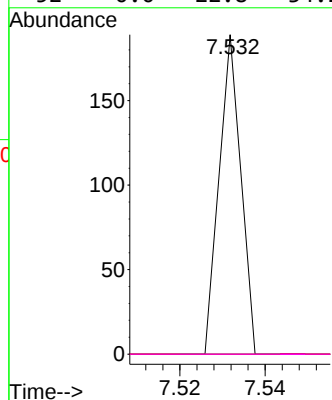
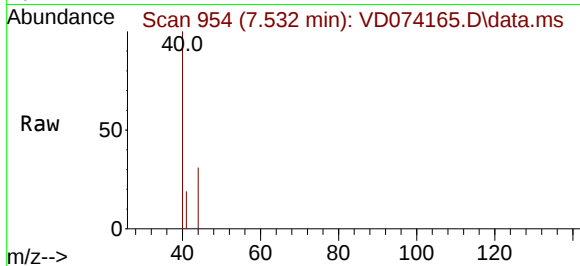




#41  
Methacrylonitrile  
Concen: 5.127 ug/l  
RT: 7.532 min Scan# 911  
Delta R.T. 0.018 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

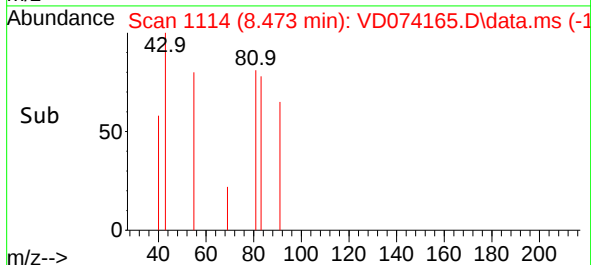
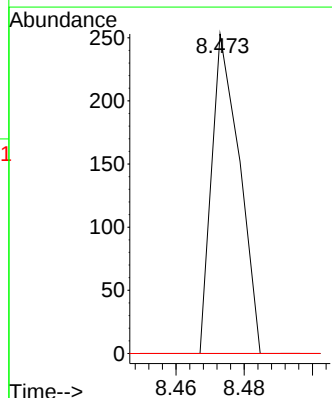
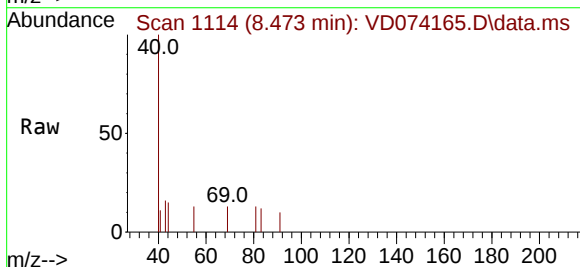
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

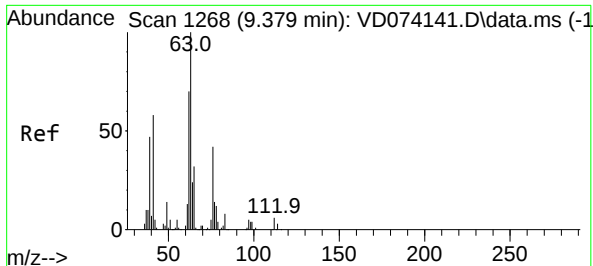
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 67    |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 0.0   | 44.6  | 67.0# |
| 67       | 0.0   | 48.2  | 72.4# |
| 52       | 0.0   | 22.8  | 34.2# |



#43  
Isopropyl Acetate  
Concen: 3.041 ug/l  
RT: 8.473 min Scan# 1114  
Delta R.T. 0.029 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 143   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 22.4  | 33.6# |
| 87       | 0.0   | 8.7   | 13.1# |





#45

1,2-Dichloropropane

Concen: 1.589 ug/l

RT: 9.367 min Scan# 11

Delta R.T. -0.012 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

Instrument :

MSVOA\_D

ClientSampleId :

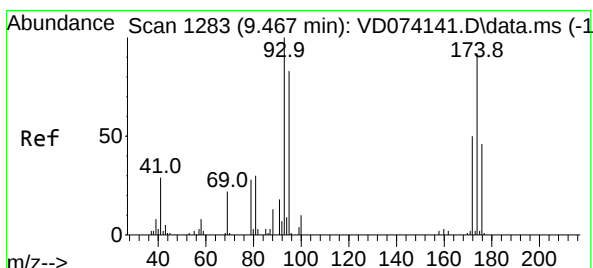
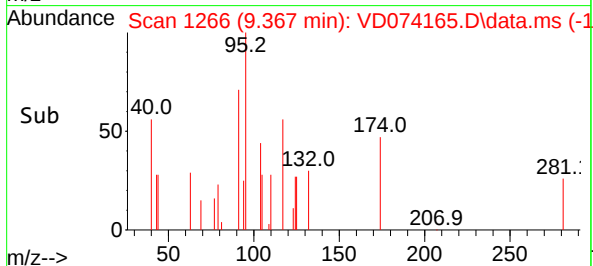
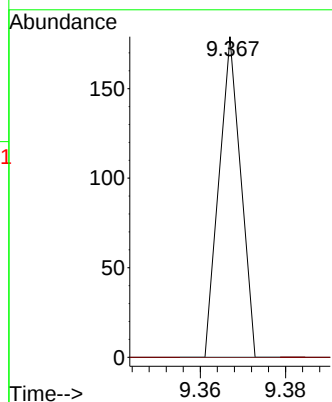
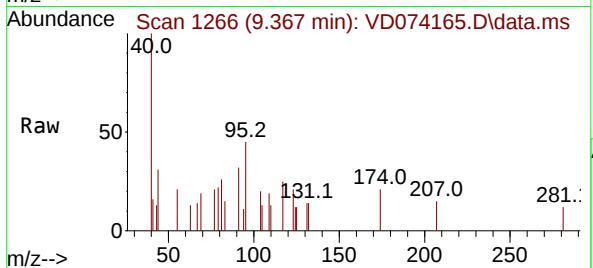
280251

Tgt Ion: 63 Resp: 63

Ion Ratio Lower Upper

63 100

65 0.0 26.2 39.4#



#46

Dibromomethane

Concen: 12.033 ug/l

RT: 9.455 min Scan# 1281

Delta R.T. -0.012 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

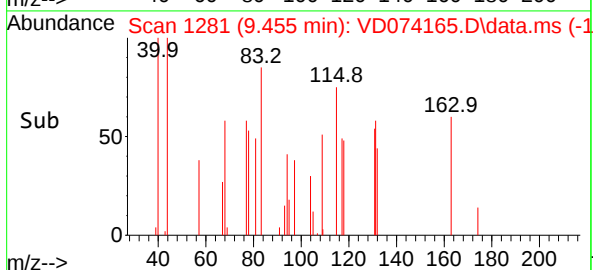
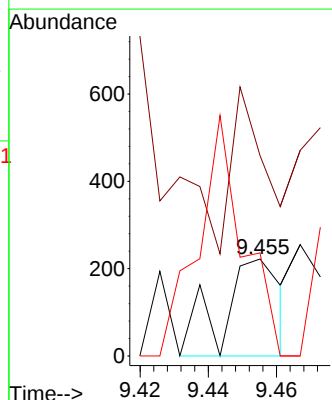
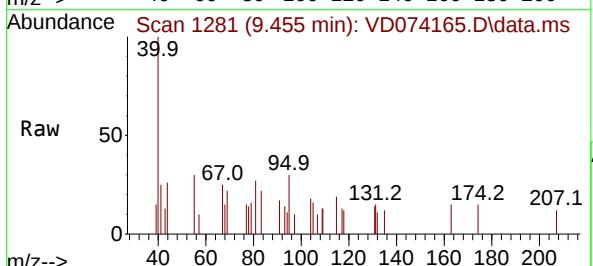
Tgt Ion: 93 Resp: 266

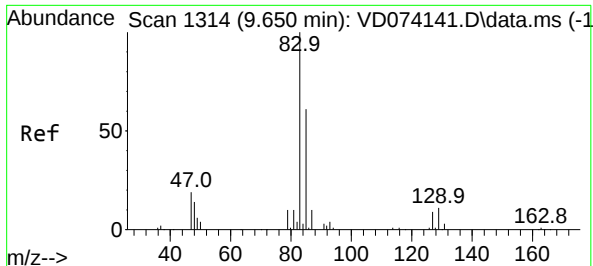
Ion Ratio Lower Upper

93 100

95 94.7 66.7 100.1

174 189.8 71.6 107.4#





#47

Bromodichloromethane

Concen: 3.006 ug/l

RT: 9.667 min Scan# 11

Delta R.T. 0.017 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

Instrument :

MSVOA\_D

ClientSampleId :

280251

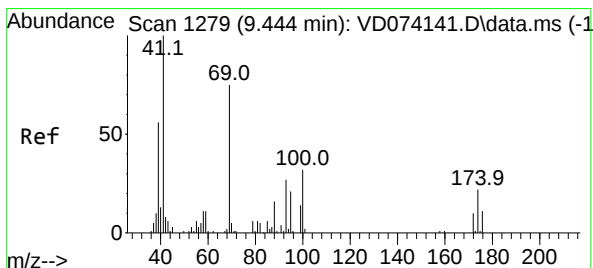
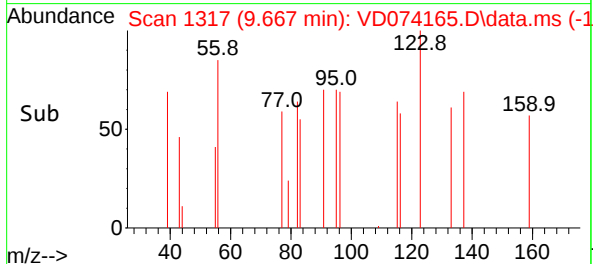
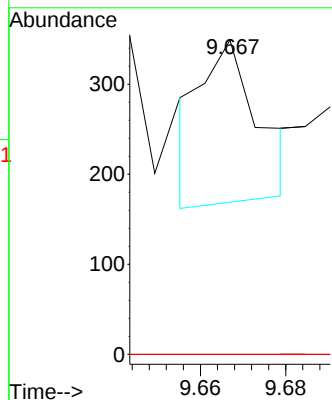
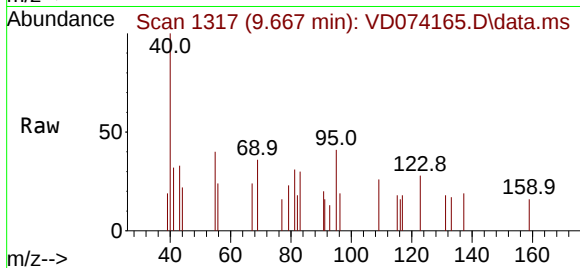
Tgt Ion: 83 Resp: 168

Ion Ratio Lower Upper

83 100

85 0.0 51.4 77.0#

127 0.0 6.1 9.1#



#48

Methyl methacrylate

Concen: 8.759 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. 0.023 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

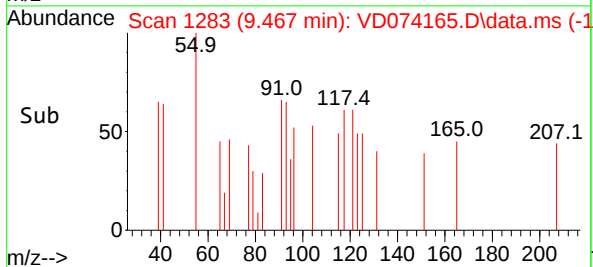
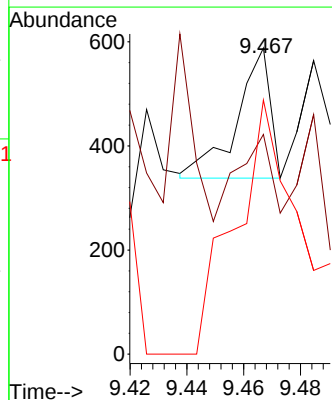
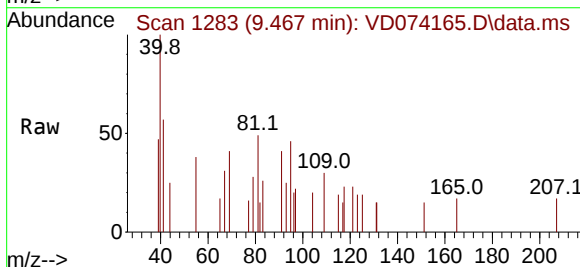
Tgt Ion: 41 Resp: 203

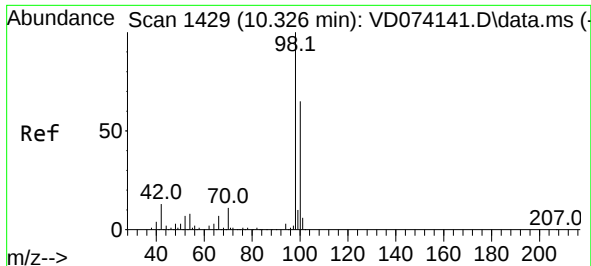
Ion Ratio Lower Upper

41 100

69 67.5 56.7 85.1

39 371.9 42.7 64.1#

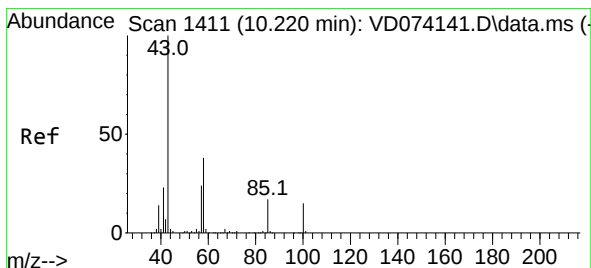
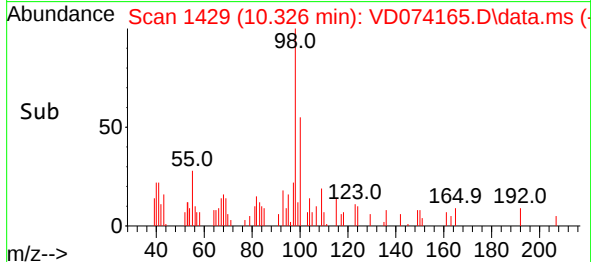
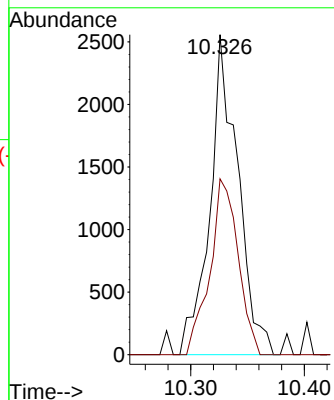
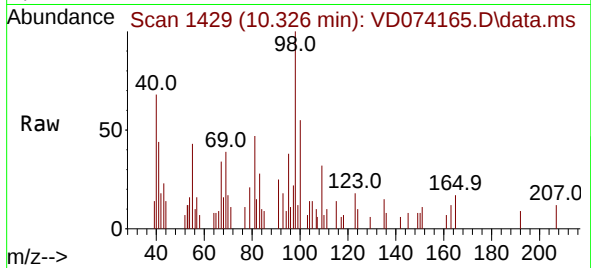




#50  
Toluene-d8  
Concen: 59.008 ug/l  
RT: 10.326 min Scan# 1429  
Delta R.T. -0.000 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

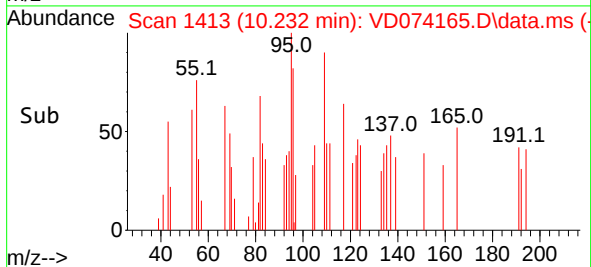
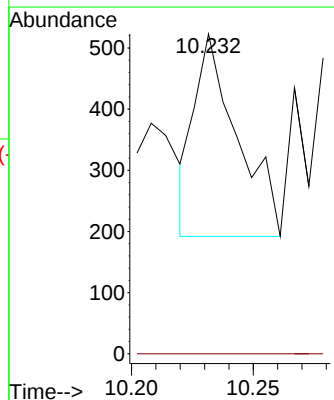
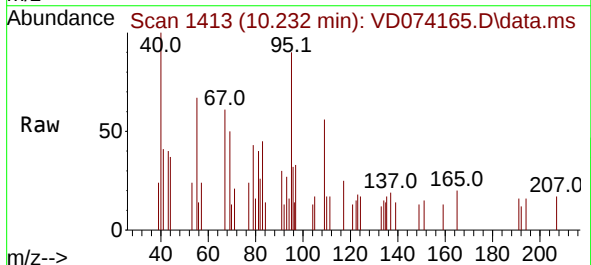
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

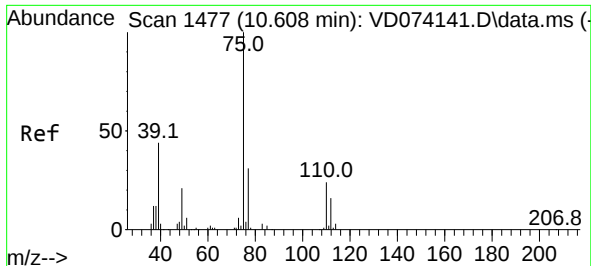
Tgt Ion: 98 Resp: 4396  
Ion Ratio Lower Upper  
98 100  
100 55.0 52.4 78.6



#51  
4-Methyl-2-Pentanone  
Concen: 16.775 ug/l  
RT: 10.232 min Scan# 1413  
Delta R.T. 0.012 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 43 Resp: 406  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.6 43.0#

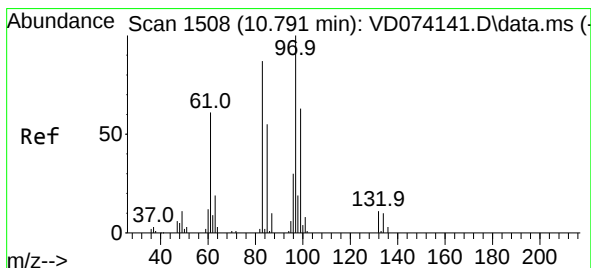
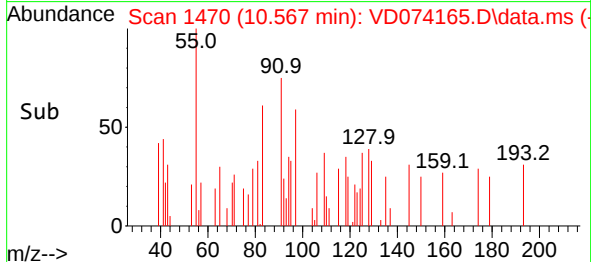
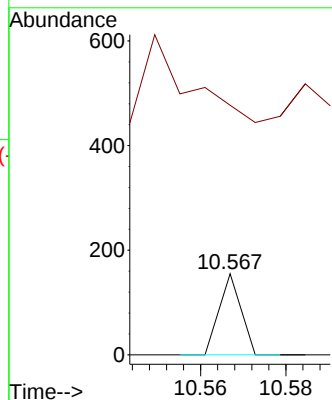
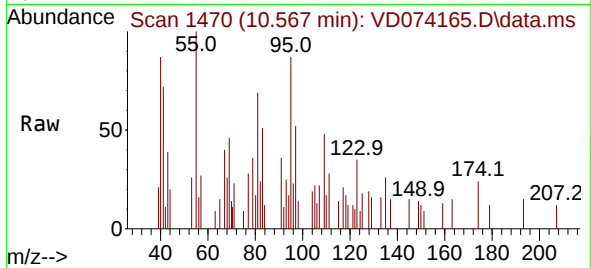




#53  
t-1,3-Dichloropropene  
Concen: 1.083 ug/l  
RT: 10.567 min Scan# 1477  
Delta R.T. -0.041 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

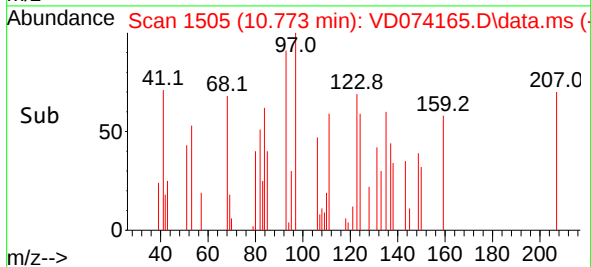
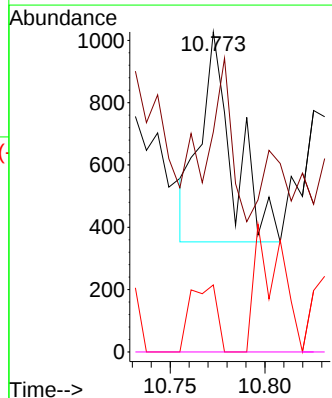
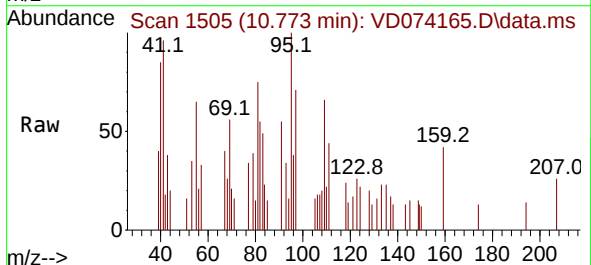
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

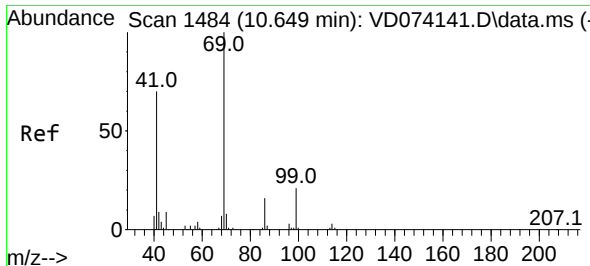
Tgt Ion: 75 Resp: 55  
Ion Ratio Lower Upper  
75 100  
77 13.5 24.5 36.7#



#55  
1,1,2-Trichloroethane  
Concen: 27.797 ug/l  
RT: 10.773 min Scan# 1505  
Delta R.T. -0.018 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 97 Resp: 809  
Ion Ratio Lower Upper  
97 100  
83 26.6 69.0 103.4#  
85 31.9 42.6 63.8#  
99 0.0 51.7 77.5#

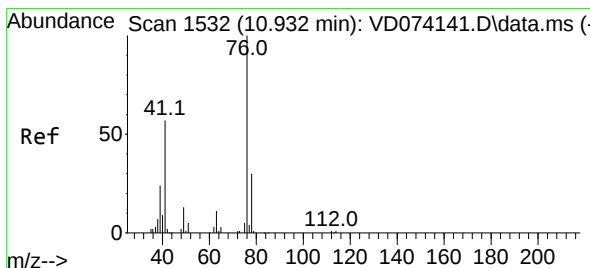
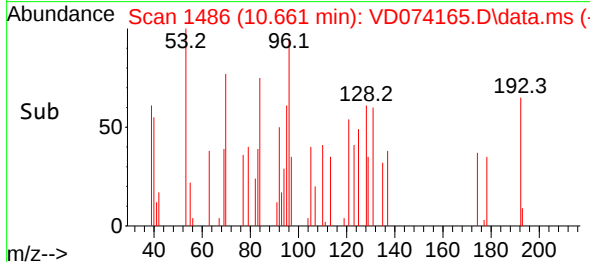
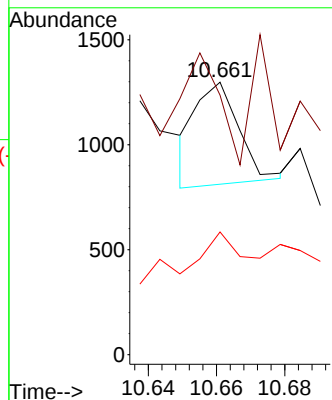
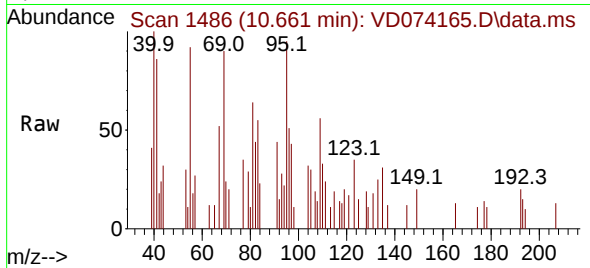




#56  
Ethyl methacrylate  
Concen: 12.084 ug/l  
RT: 10.661 min Scan# 1486  
Delta R.T. 0.012 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

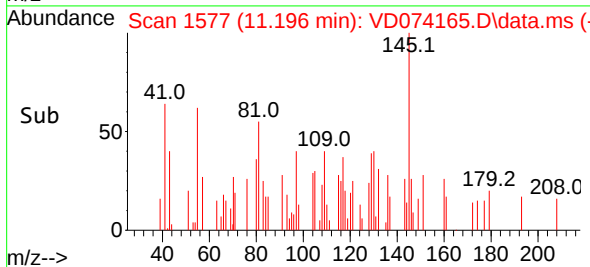
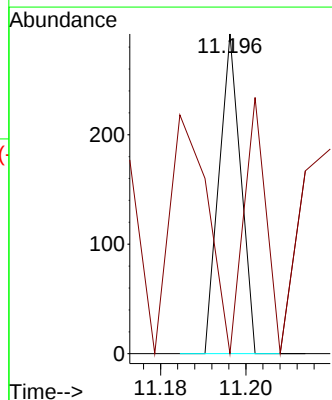
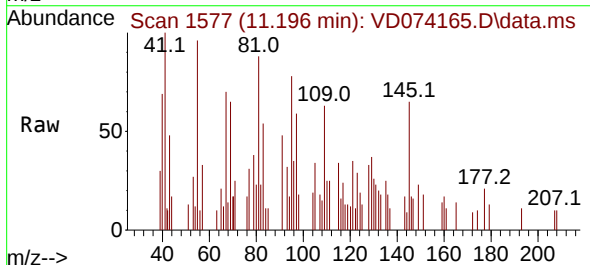
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

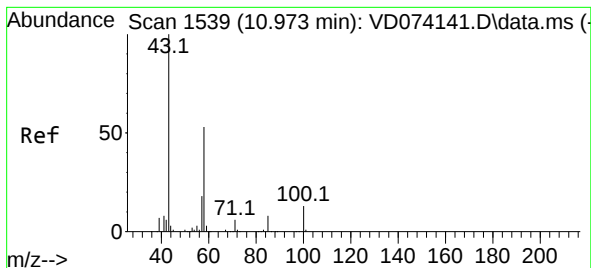
Tgt Ion: 69 Resp: 430  
Ion Ratio Lower Upper  
69 100  
41 96.7 63.0 94.6#  
39 64.7 33.8 50.8#



#57  
1,3-Dichloropropane  
Concen: 1.999 ug/l  
RT: 11.196 min Scan# 1577  
Delta R.T. 0.264 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 76 Resp: 103  
Ion Ratio Lower Upper  
76 100  
78 80.6 26.0 39.0#

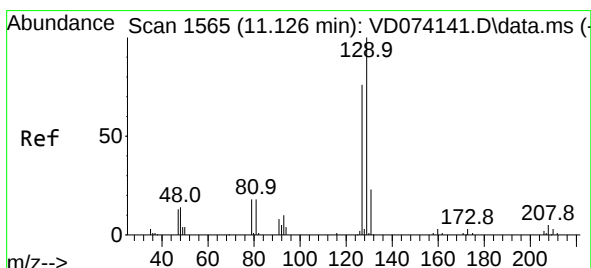
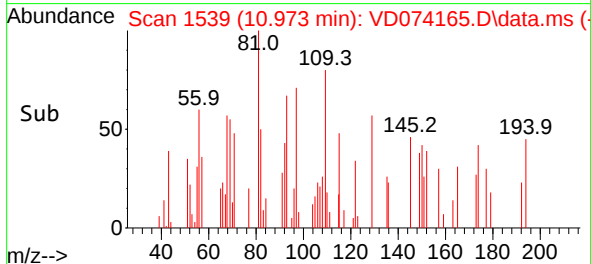
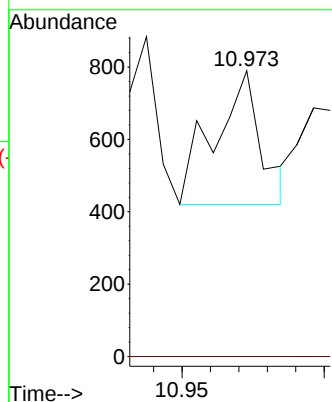
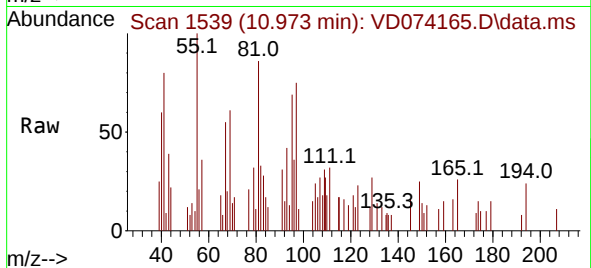




#59  
2-Hexanone  
Concen: 26.080 ug/l  
RT: 10.973 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

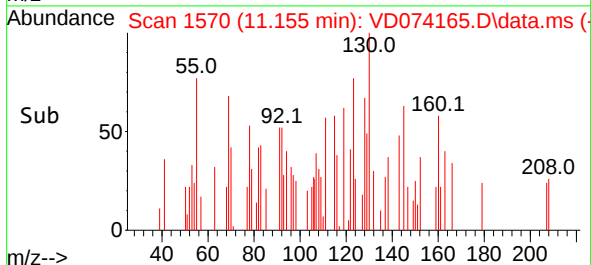
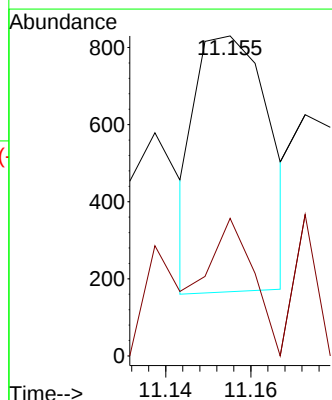
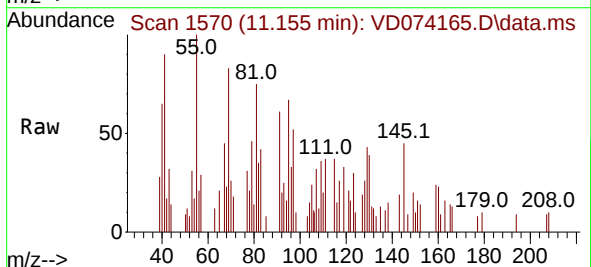
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

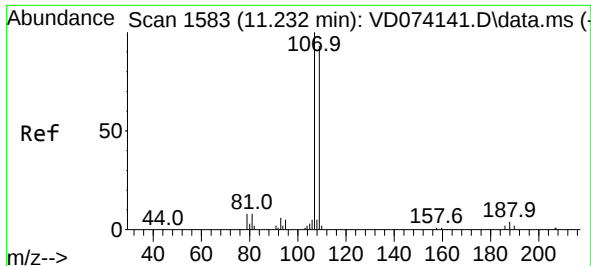
Tgt Ion: 43 Resp: 421  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.3 75.9#



#60  
Dibromochloromethane  
Concen: 21.583 ug/l  
RT: 11.155 min Scan# 1570  
Delta R.T. 0.029 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 129 Resp: 791  
Ion Ratio Lower Upper  
129 100  
127 54.9 39.2 117.6

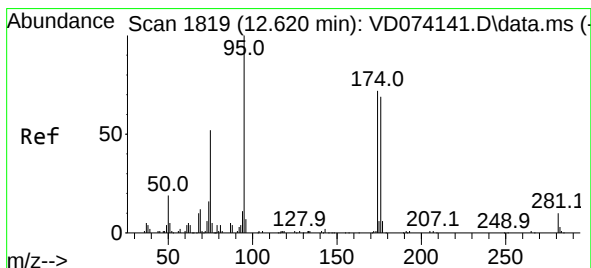
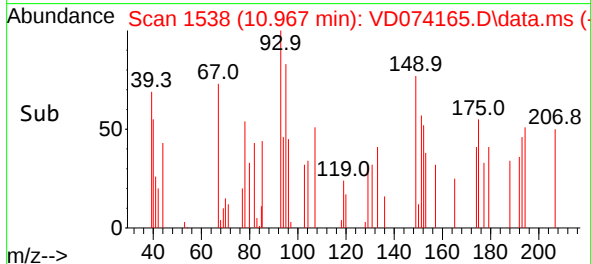
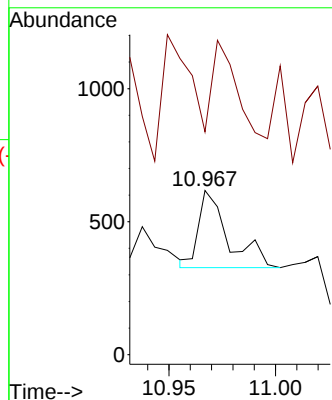
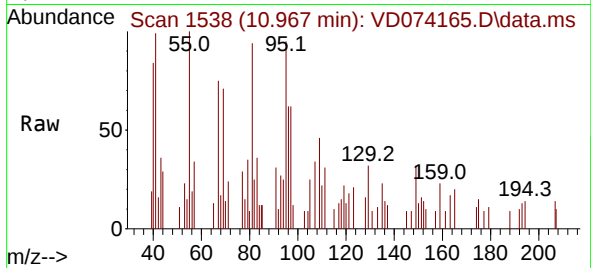




#61  
1,2-Dibromoethane  
Concen: 9.831 ug/l  
RT: 10.967 min Scan# 1538  
Delta R.T. -0.265 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

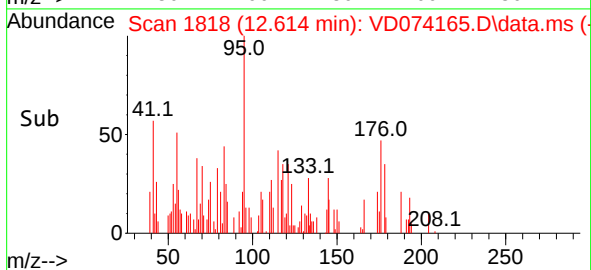
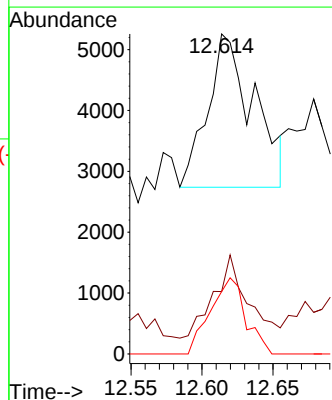
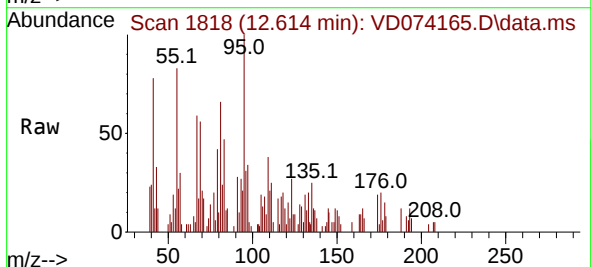
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

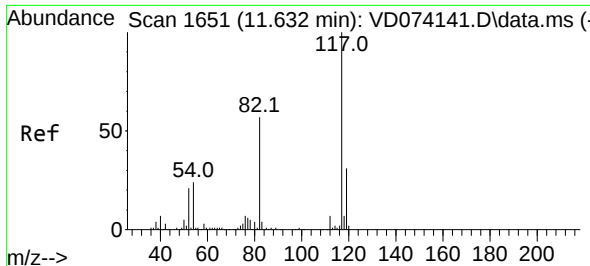
Tgt Ion:107 Resp: 278  
Ion Ratio Lower Upper  
107 100  
109 99.3 74.2 111.4



#62  
4-Bromofluorobenzene  
Concen: 136.394 ug/l  
RT: 12.614 min Scan# 1818  
Delta R.T. -0.006 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 95 Resp: 5650  
Ion Ratio Lower Upper  
95 100  
174 40.4 0.0 152.8  
176 38.2 0.0 145.4

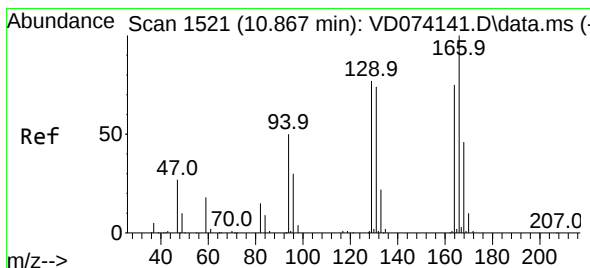
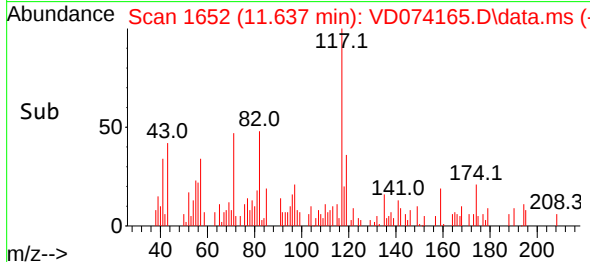
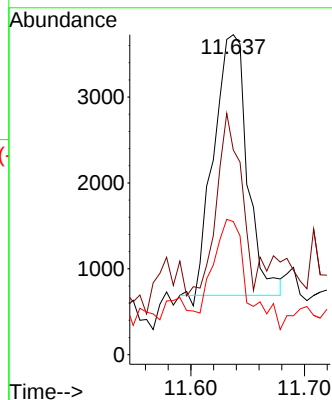
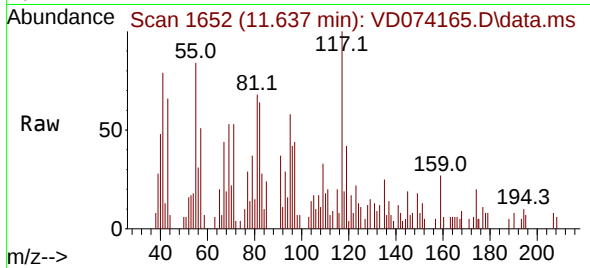




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1170  
Delta R.T. 0.005 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

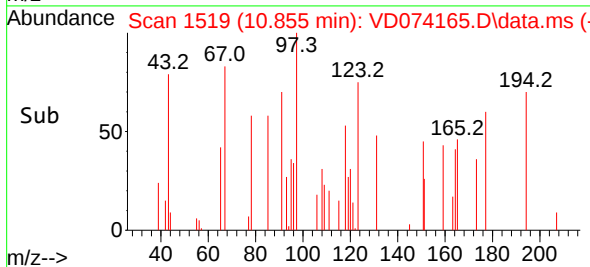
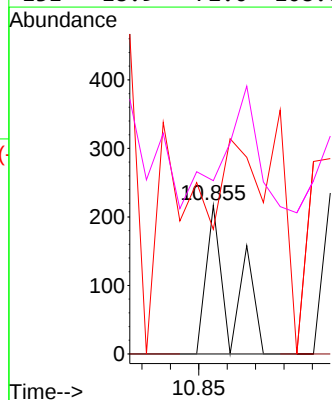
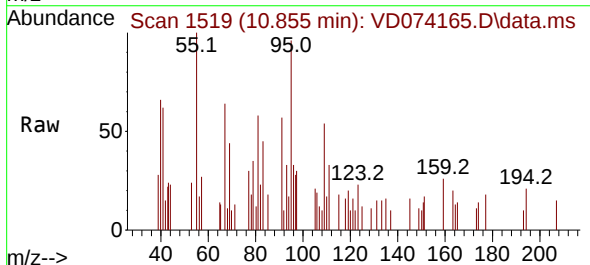
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

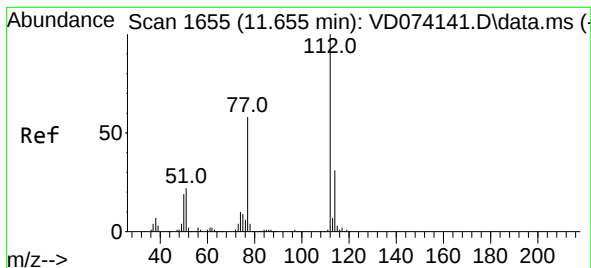
Tgt Ion:117 Resp: 6213  
Ion Ratio Lower Upper  
117 100  
82 43.0 45.3 67.9#  
119 41.4 26.6 40.0#



#64  
Tetrachloroethene  
Concen: 3.130 ug/l  
RT: 10.855 min Scan# 1519  
Delta R.T. -0.012 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion:164 Resp: 132  
Ion Ratio Lower Upper  
164 100  
166 0.0 98.5 147.7#  
129 0.0 74.6 111.8#  
131 18.9 72.0 108.0#





#65

Chlorobenzene

Concen: 9.653 ug/l

RT: 11.649 min Scan# 1654

Delta R.T. -0.006 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

Instrument :

MSVOA\_D

ClientSampleId :

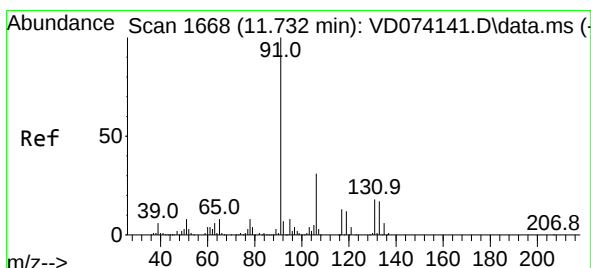
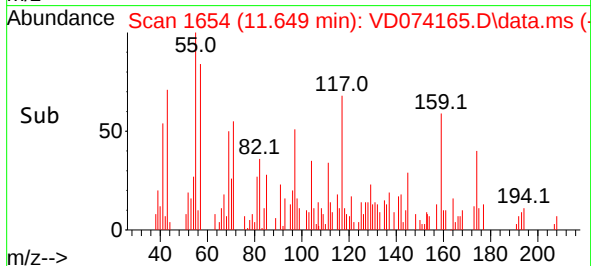
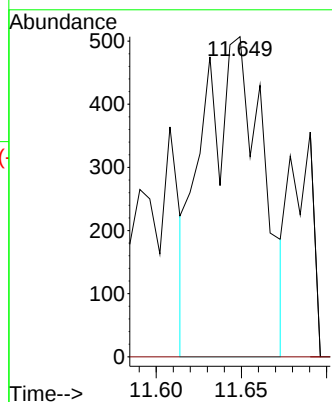
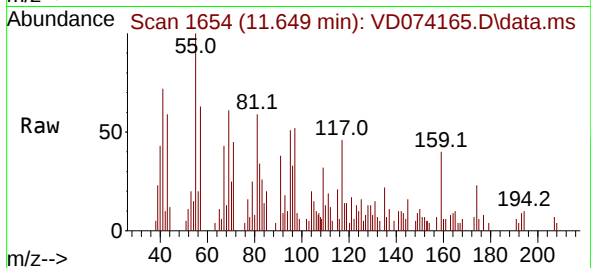
280251

Tgt Ion:112 Resp: 1220

Ion Ratio Lower Upper

112 100

114 0.0 25.8 38.6#



#66

1,1,1,2-Tetrachloroethane

Concen: 14.700 ug/l

RT: 11.543 min Scan# 1636

Delta R.T. -0.189 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

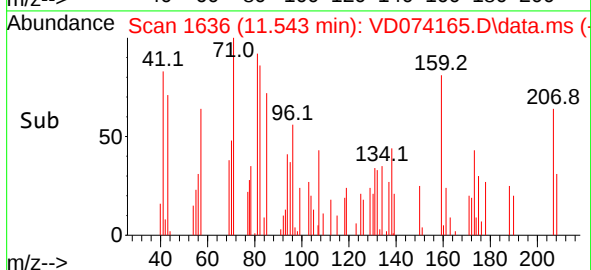
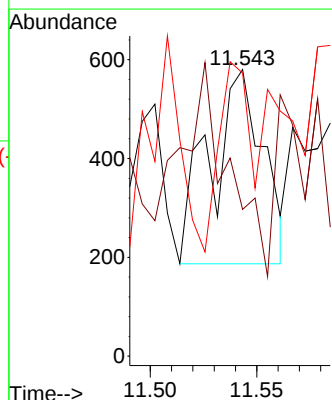
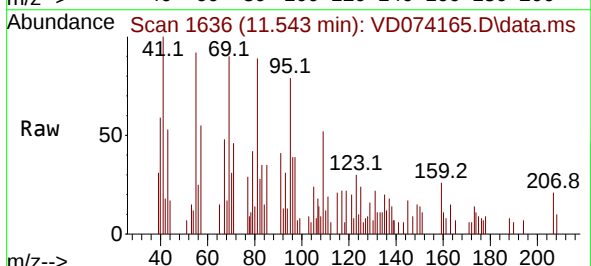
Tgt Ion:131 Resp: 672

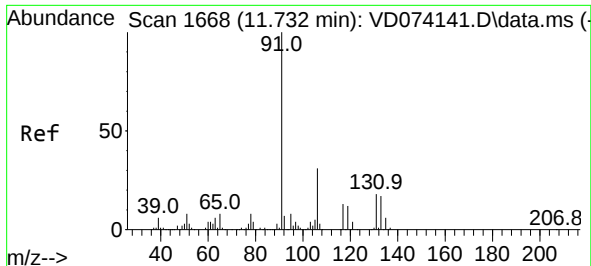
Ion Ratio Lower Upper

131 100

133 100.1 48.1 144.3

119 56.8 31.9 95.9

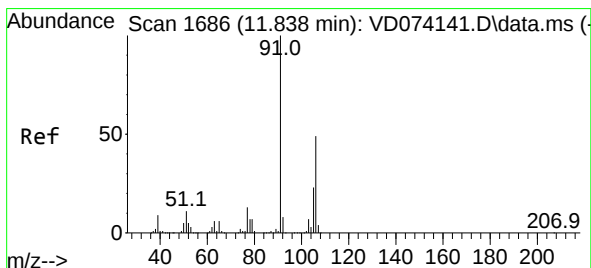
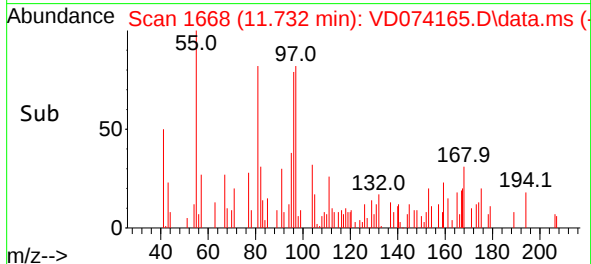
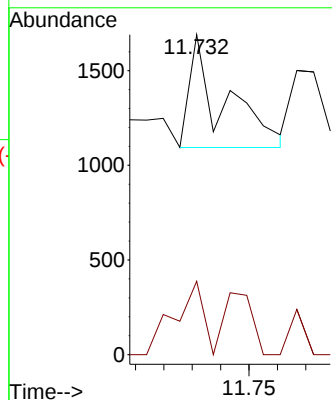
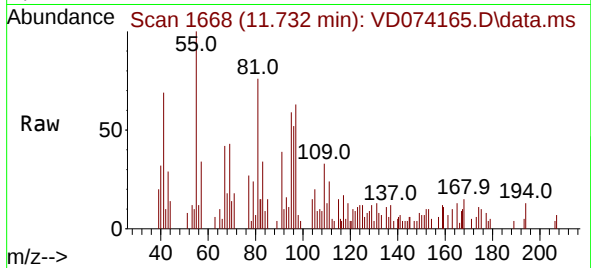




#67  
Ethyl Benzene  
Concen: 2.209 ug/l  
RT: 11.732 min Scan# 1668  
Delta R.T. -0.000 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

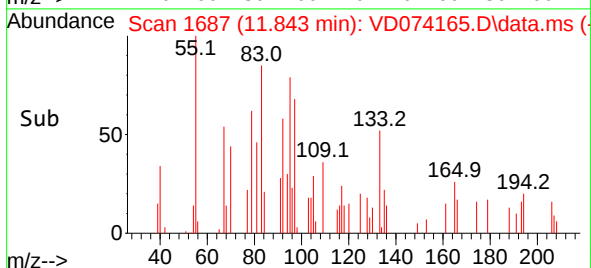
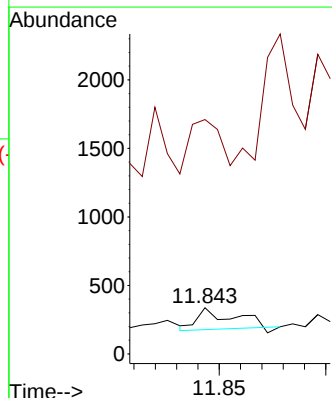
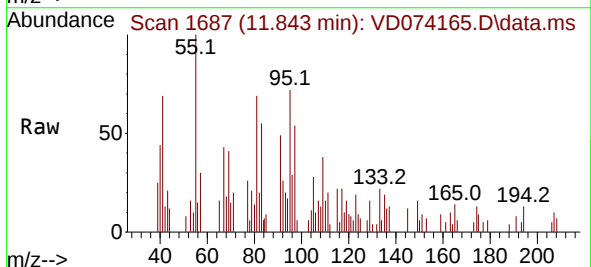
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

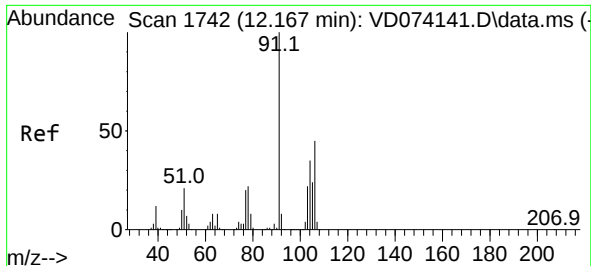
Tgt Ion: 91 Resp: 493  
Ion Ratio Lower Upper  
91 100  
106 65.1 24.2 36.4#



#68  
m/p-Xylenes  
Concen: 2.040 ug/l  
RT: 11.843 min Scan# 1687  
Delta R.T. 0.005 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 106 Resp: 175  
Ion Ratio Lower Upper  
106 100  
91 293.7 163.7 245.5#

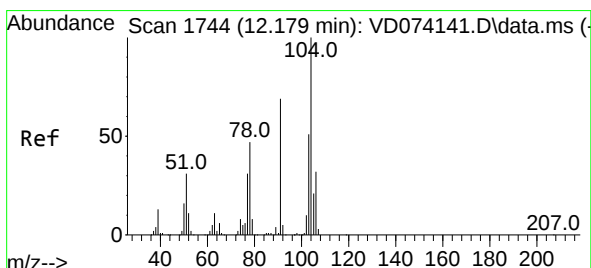
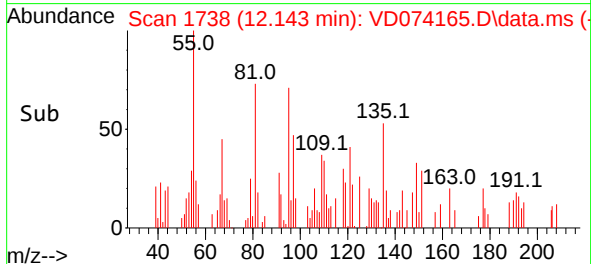
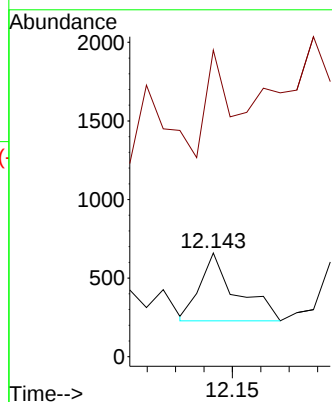
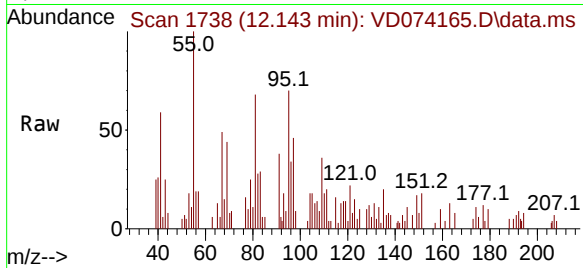




#69  
o-Xylene  
Concen: 4.752 ug/l  
RT: 12.143 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

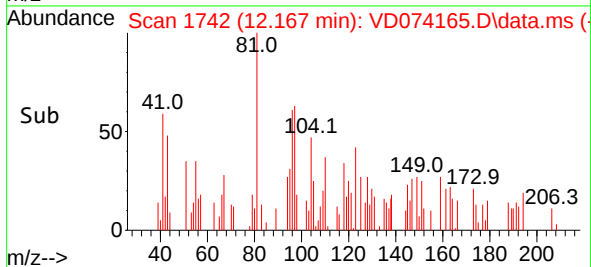
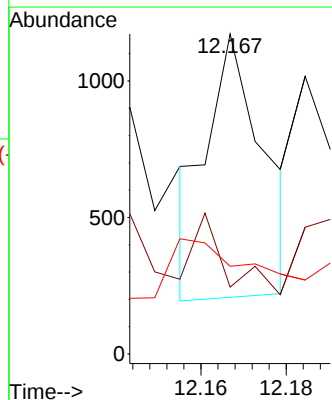
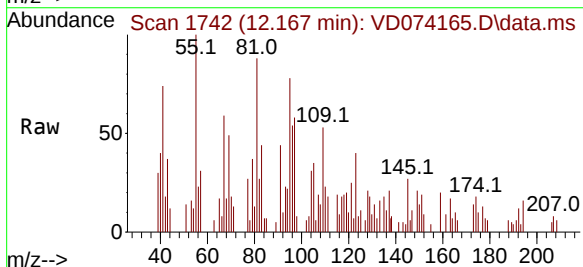
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

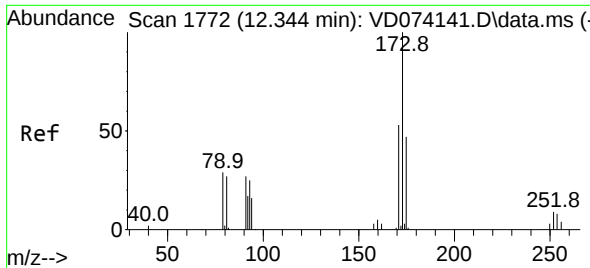
Tgt Ion:106 Resp: 381  
Ion Ratio Lower Upper  
106 100  
91 114.4 110.4 331.2



#70  
Styrene  
Concen: 6.410 ug/l  
RT: 12.167 min Scan# 1742  
Delta R.T. -0.012 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion:104 Resp: 878  
Ion Ratio Lower Upper  
104 100  
78 0.0 41.8 62.8#  
103 32.8 44.2 66.4#

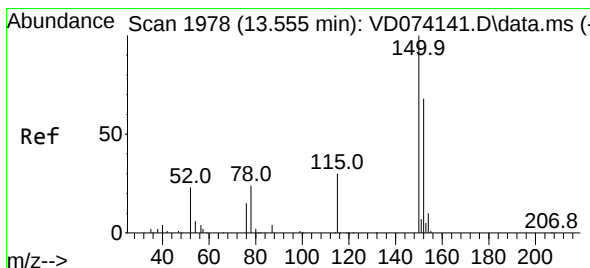
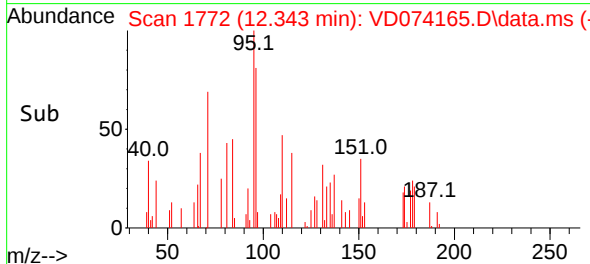
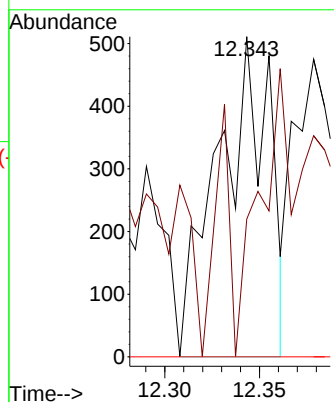
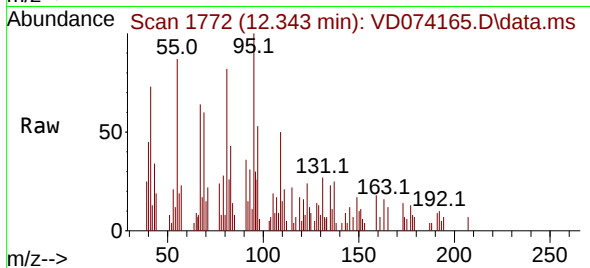




#71  
Bromoform  
Concen: 39.641 ug/l  
RT: 12.343 min Scan# 1772  
Delta R.T. -0.001 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

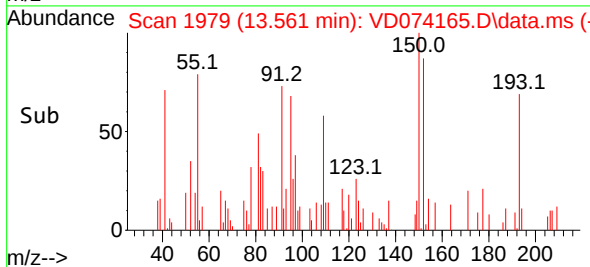
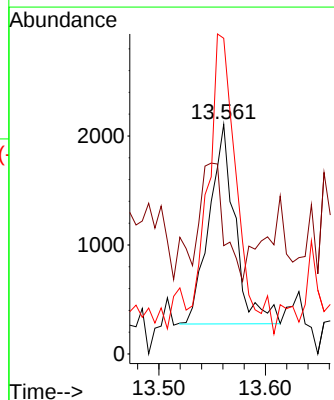
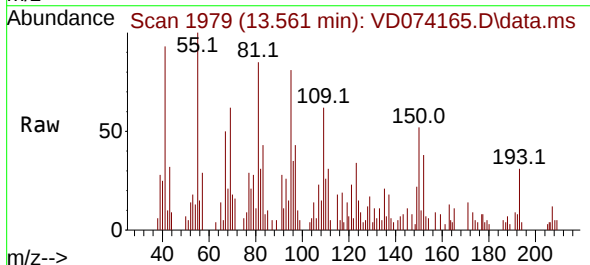
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

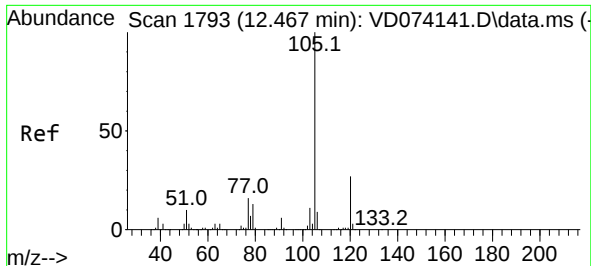
Tgt Ion:173 Resp: 969  
Ion Ratio Lower Upper  
173 100  
175 21.9 23.9 71.8#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.006 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion:152 Resp: 3103  
Ion Ratio Lower Upper  
152 100  
115 62.6 31.3 93.8  
150 165.2 0.0 348.6

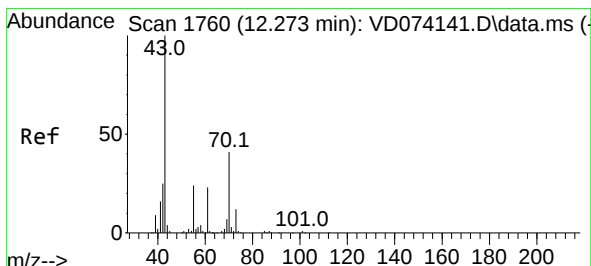
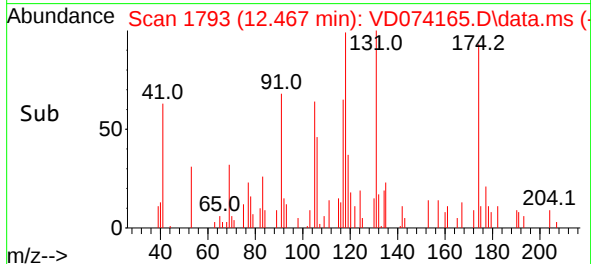
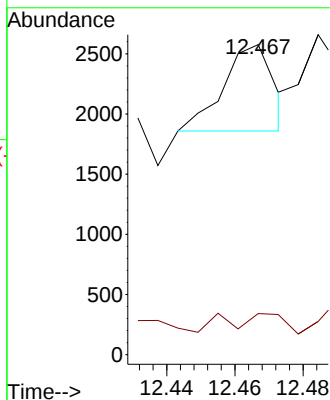
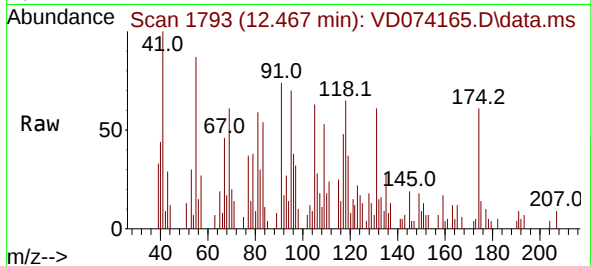




#73  
Isopropylbenzene  
Concen: 3.239 ug/l  
RT: 12.467 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

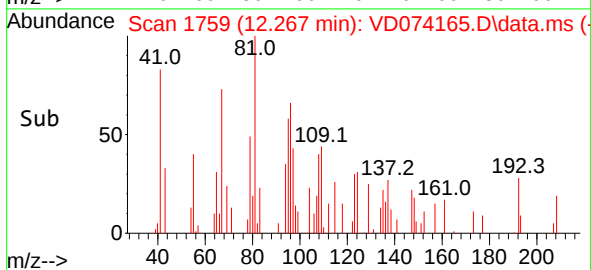
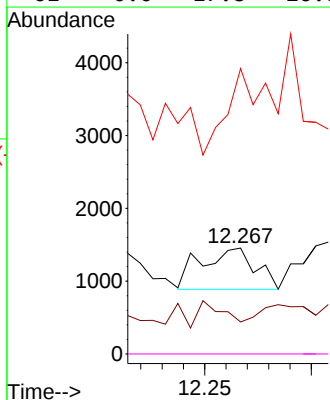
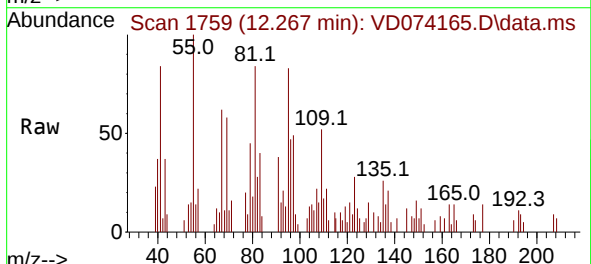
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

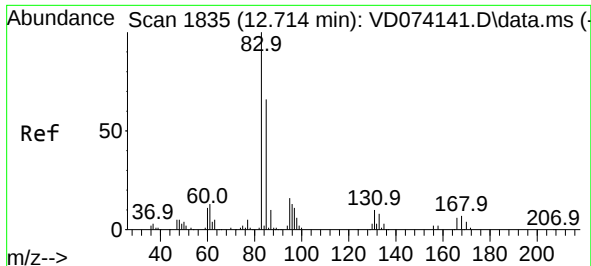
Tgt Ion:105 Resp: 732  
Ion Ratio Lower Upper  
105 100  
120 34.3 13.0 38.9



#74  
N-ethyl acetate  
Concen: 17.700 ug/l  
RT: 12.267 min Scan# 1759  
Delta R.T. -0.006 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 43 Resp: 1004  
Ion Ratio Lower Upper  
43 100  
70 32.0 31.3 46.9  
55 99.0 20.0 30.0#  
61 0.0 17.8 26.8#

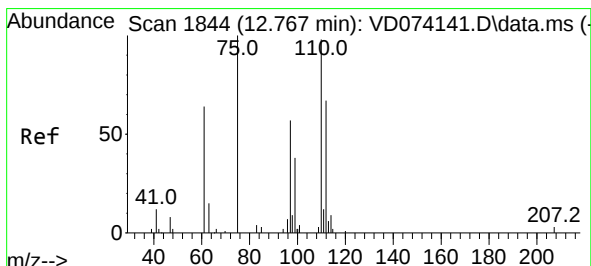
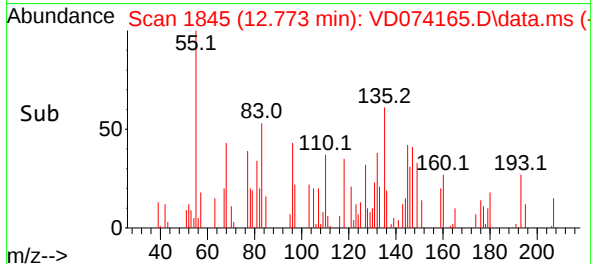
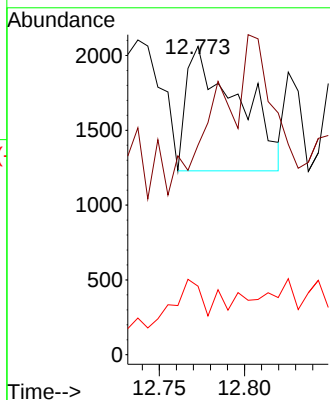
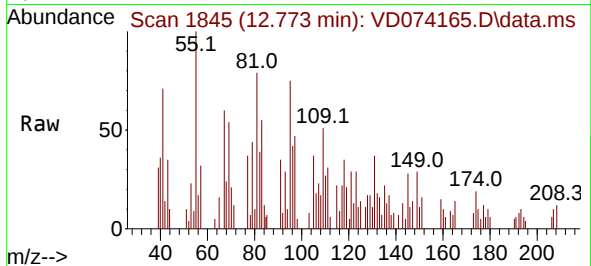




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 40.450 ug/l  
 RT: 12.773 min Scan# 1845  
 Delta R.T. 0.059 min  
 Lab File: VD074165.D  
 Acq: 19 Aug 2022 23:16

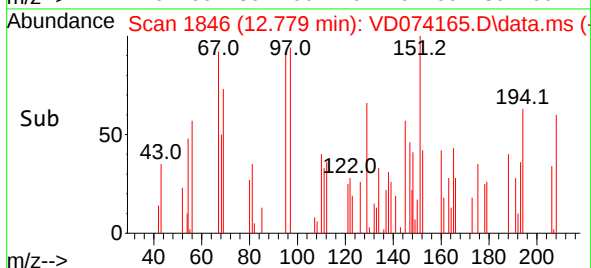
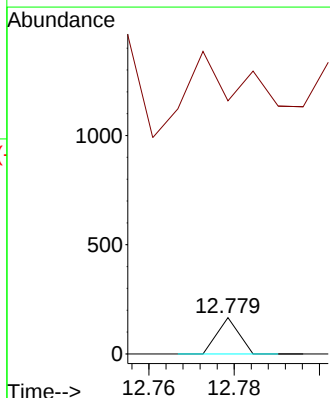
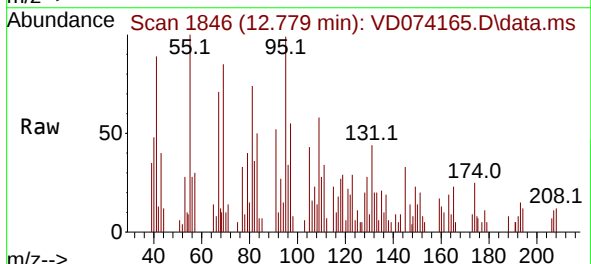
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 280251

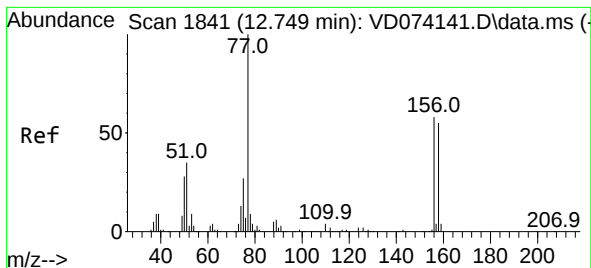
Tgt Ion: 83 Resp: 1750  
 Ion Ratio Lower Upper  
 83 100  
 131 0.0 5.0 14.9#  
 85 21.1 32.6 98.0#



#76  
 1,2,3-Trichloropropane  
 Concen: 1.836 ug/l  
 RT: 12.779 min Scan# 1846  
 Delta R.T. 0.012 min  
 Lab File: VD074165.D  
 Acq: 19 Aug 2022 23:16

Tgt Ion: 75 Resp: 59  
 Ion Ratio Lower Upper  
 75 100  
 77 932.2 0.0 0.0#





#77

Bromobenzene

Concen: 1.042 ug/l

RT: 12.726 min Scan# 1837

Delta R.T. -0.023 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

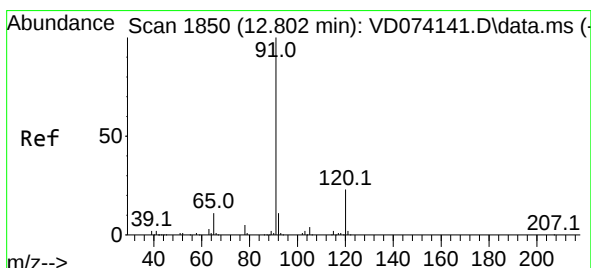
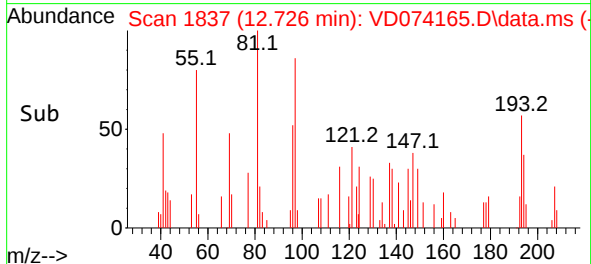
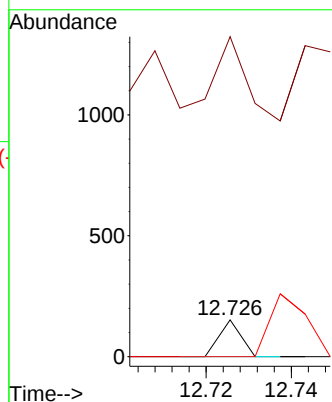
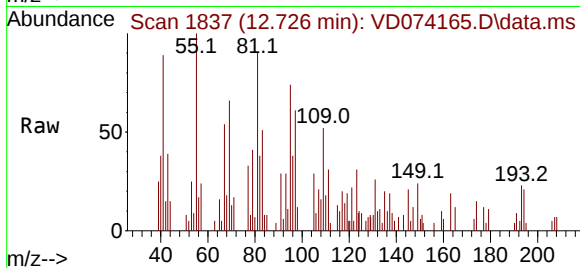
Instrument :

MSVOA\_D

ClientSampleId :

280251

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 156   | Resp: | 54     |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 0.0   | 102.8 | 308.3# |
| 158       | 285.2 | 48.7  | 146.1# |



#78

n-propylbenzene

Concen: 8.131 ug/l

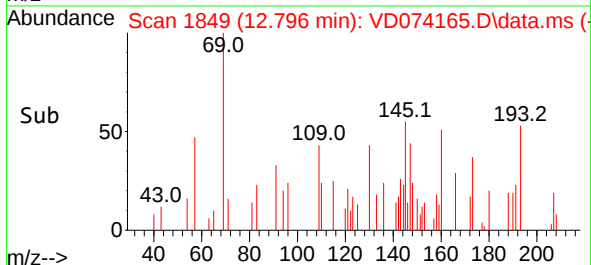
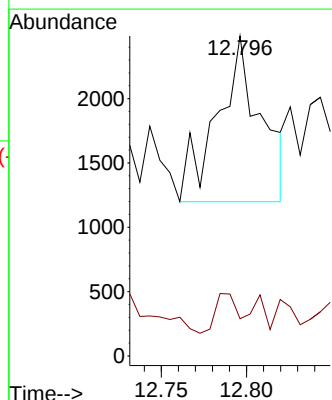
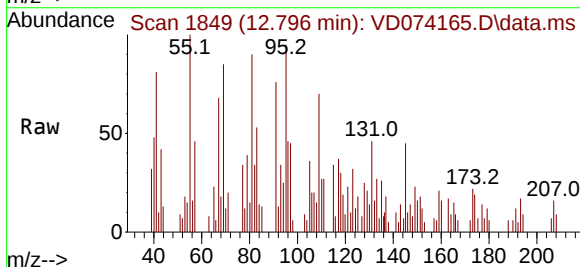
RT: 12.796 min Scan# 1849

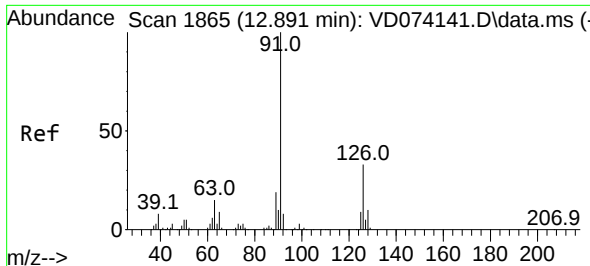
Delta R.T. -0.006 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 91    | Resp: | 2278 |
| Ion Ratio | Lower | Upper |      |
| 91        | 100   |       |      |
| 120       | 14.1  | 10.9  | 32.9 |

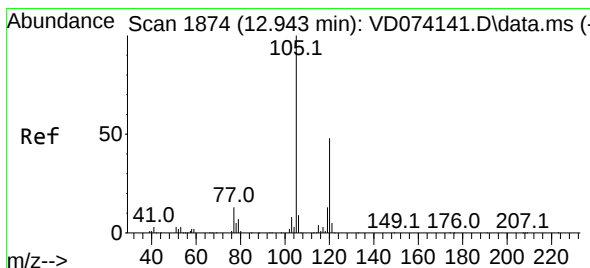
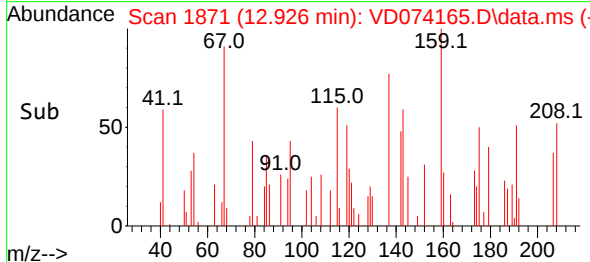
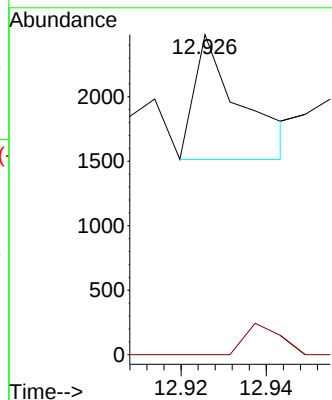
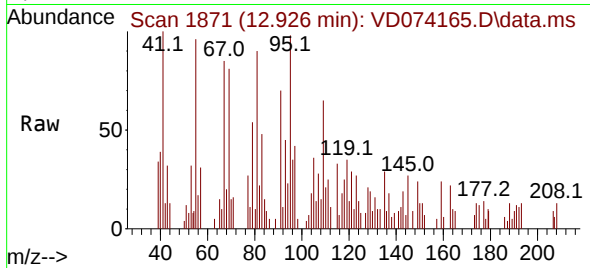




#79  
2-Chlorotoluene  
Concen: 4.583 ug/l  
RT: 12.926 min Scan# 1865  
Delta R.T. 0.035 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

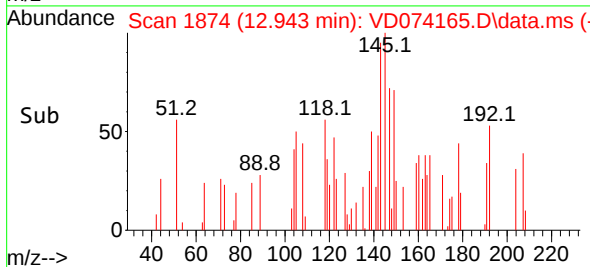
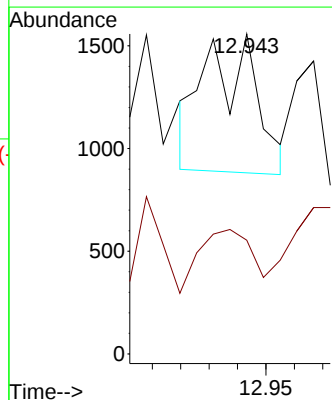
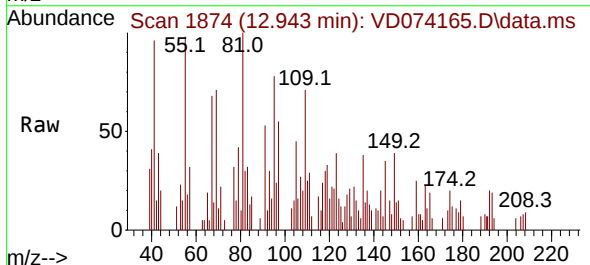
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

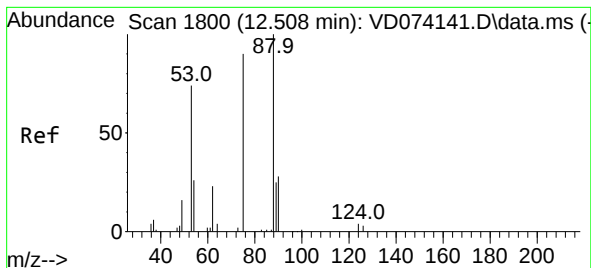
Tgt Ion: 91 Resp: 737  
Ion Ratio Lower Upper  
91 100  
126 18.9 16.2 48.6



#80  
1,3,5-Trimethylbenzene  
Concen: 4.372 ug/l  
RT: 12.943 min Scan# 1874  
Delta R.T. 0.000 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 105 Resp: 826  
Ion Ratio Lower Upper  
105 100  
120 48.3 24.3 72.8

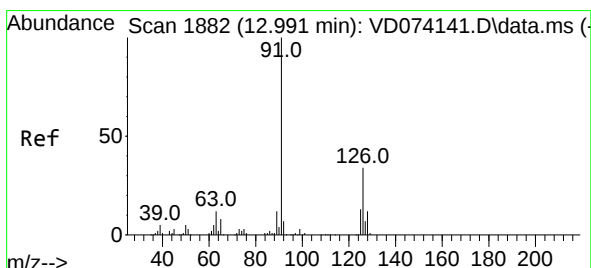
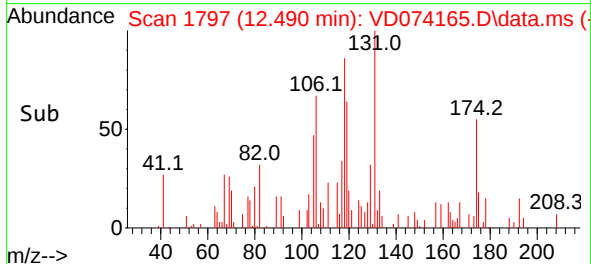
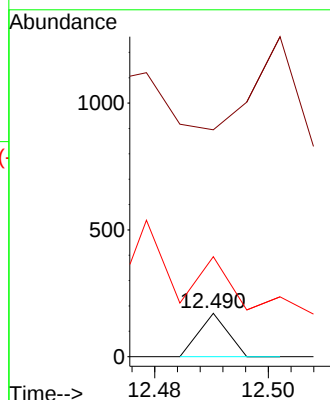
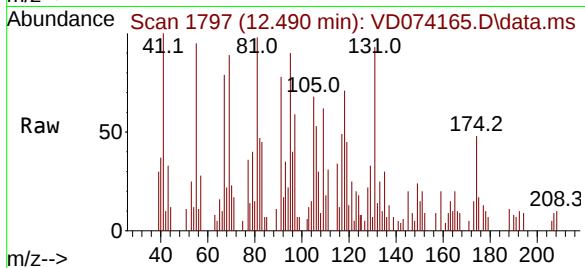




#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.886 ug/l  
RT: 12.490 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

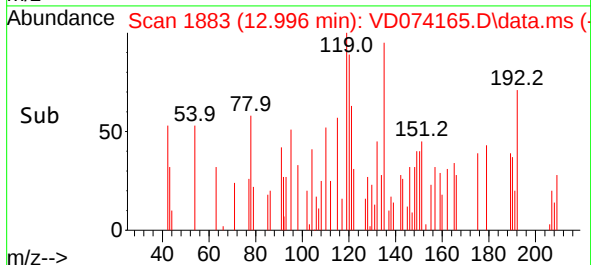
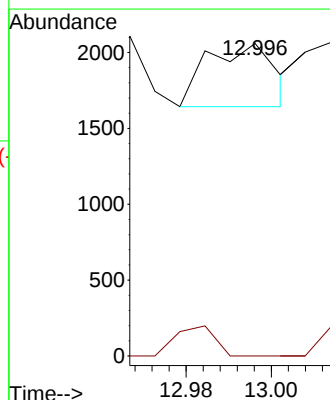
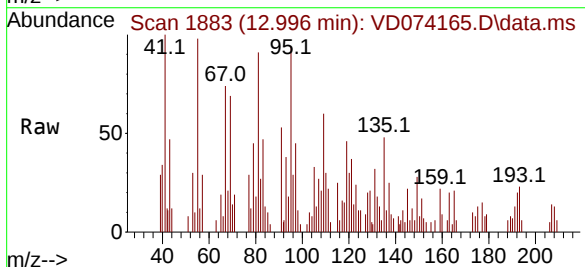
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

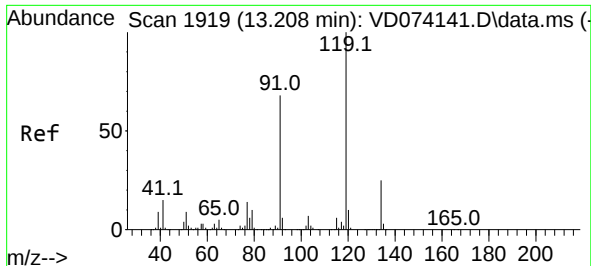
Tgt Ion: 75 Resp: 60  
Ion Ratio Lower Upper  
75 100  
53 1153.3 86.5 129.7#  
89 0.0 33.9 50.9#



#82  
4-Chlorotoluene  
Concen: 2.695 ug/l  
RT: 12.996 min Scan# 1883  
Delta R.T. 0.005 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 91 Resp: 456  
Ion Ratio Lower Upper  
91 100  
126 27.9 16.5 49.5

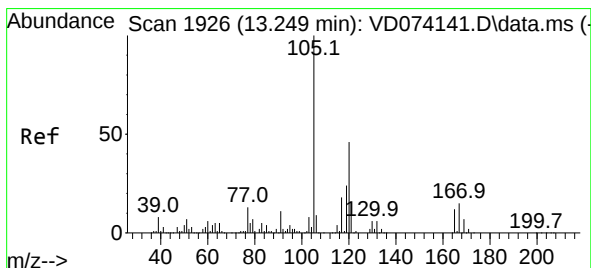
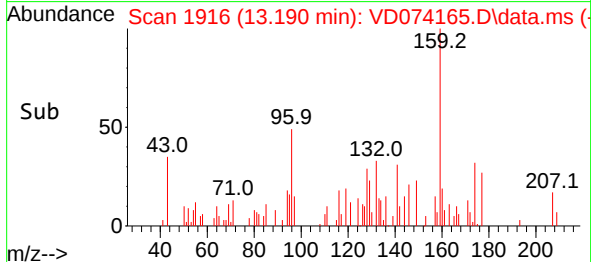
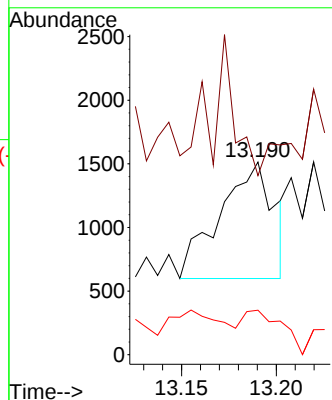
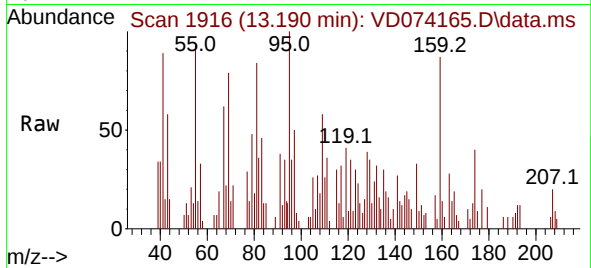




#83  
tert-Butylbenzene  
Concen: 11.347 ug/l  
RT: 13.190 min Scan# 1919  
Delta R.T. -0.018 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

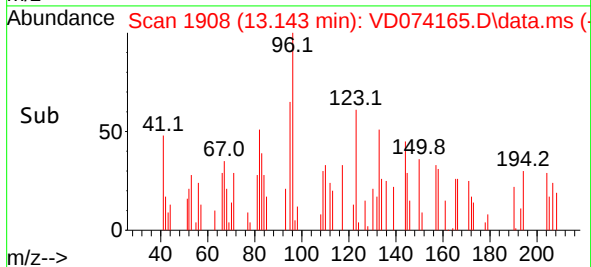
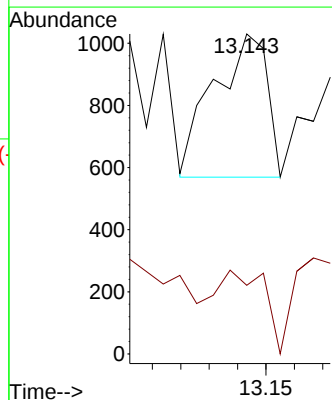
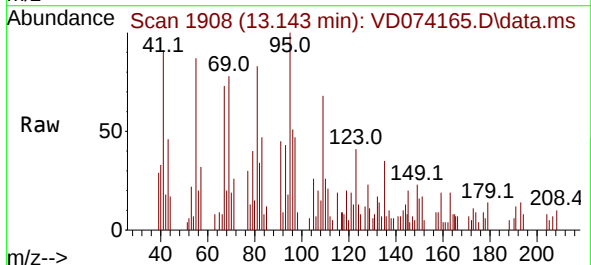
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

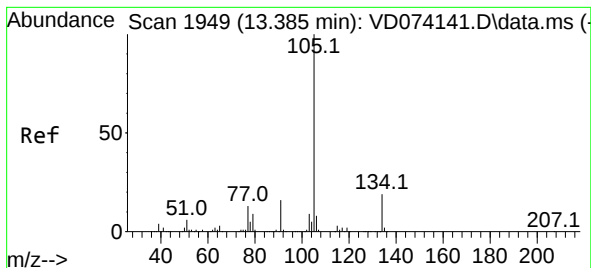
Tgt Ion:119 Resp: 1813  
Ion Ratio Lower Upper  
119 100  
91 32.5 34.8 104.5#  
134 27.4 13.3 39.9



#84  
1,2,4-Trimethylbenzene  
Concen: 3.234 ug/l  
RT: 13.143 min Scan# 1908  
Delta R.T. -0.106 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion:105 Resp: 602  
Ion Ratio Lower Upper  
105 100  
120 44.0 22.3 66.8





#85

sec-Butylbenzene

Concen: 1.725 ug/l

RT: 13.349 min Scan# 1943

Delta R.T. -0.036 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

Instrument :

MSVOA\_D

ClientSampleId :

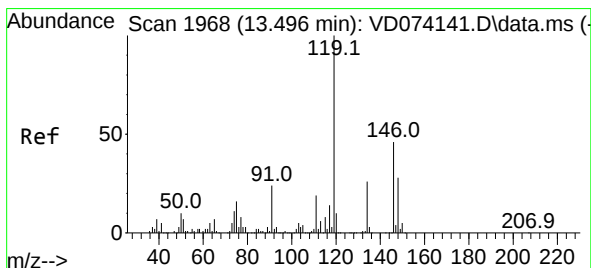
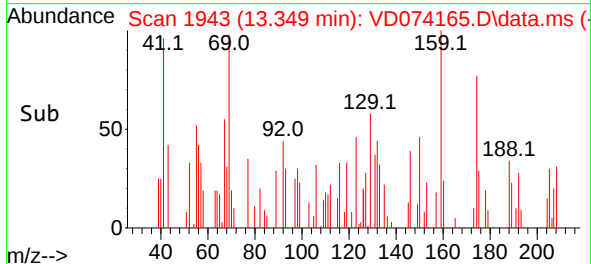
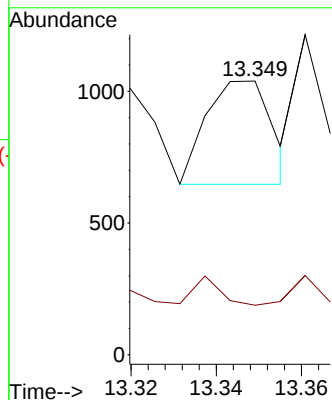
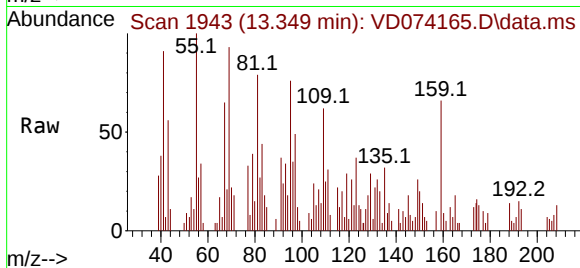
280251

Tgt Ion:105 Resp: 419

Ion Ratio Lower Upper

105 100

134 11.7 9.8 29.3



#86

p-Isopropyltoluene

Concen: 6.521 ug/l

RT: 13.384 min Scan# 1949

Delta R.T. -0.112 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

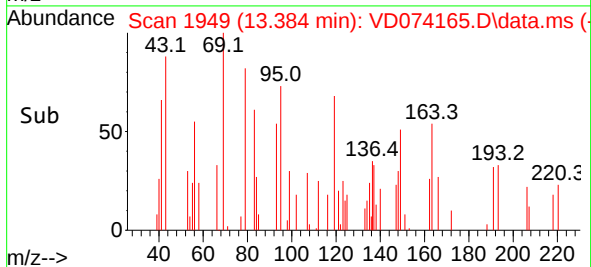
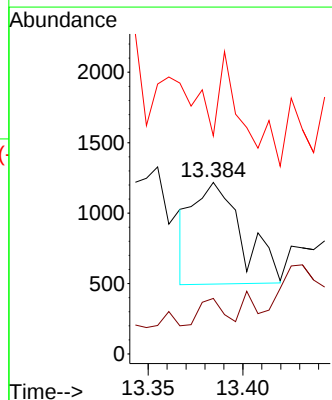
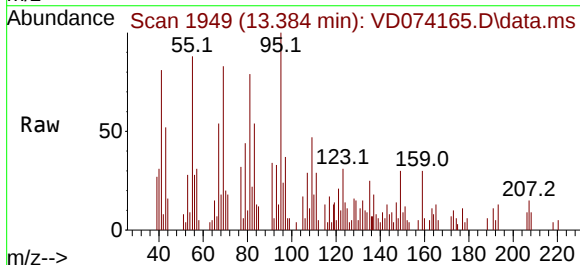
Tgt Ion:119 Resp: 1315

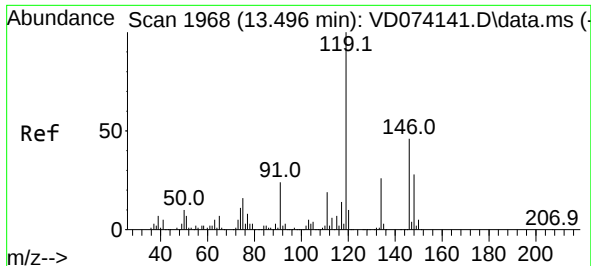
Ion Ratio Lower Upper

119 100

134 14.2 12.9 38.6

91 28.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 11.923 ug/l

RT: 13.490 min Scan# 1968

Delta R.T. -0.006 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

Instrument :

MSVOA\_D

ClientSampleId :

280251

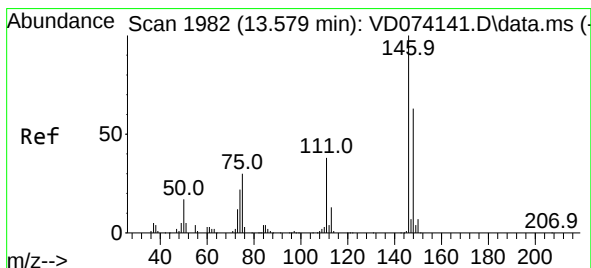
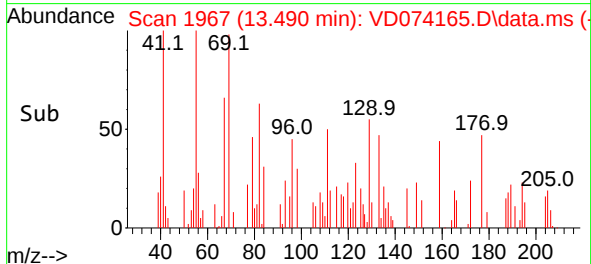
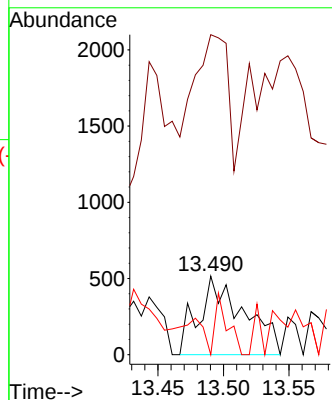
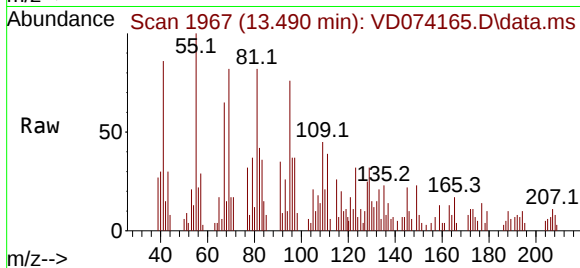
Tgt Ion:146 Resp: 1233

Ion Ratio Lower Upper

146 100

111 126.2 20.4 61.3#

148 21.4 31.9 95.7#



#88

1,4-Dichlorobenzene

Concen: 7.389 ug/l

RT: 13.590 min Scan# 1984

Delta R.T. 0.011 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

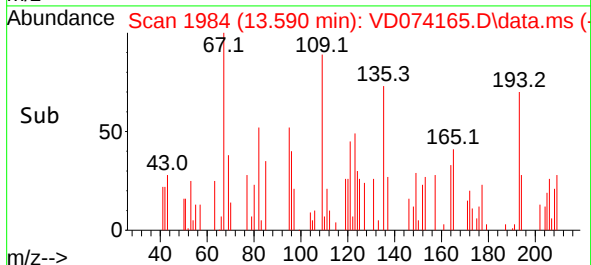
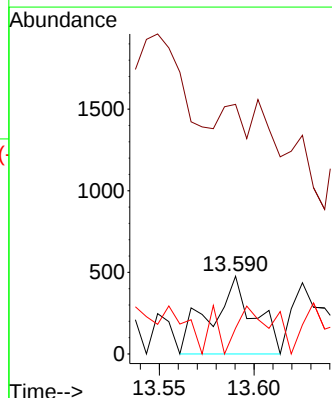
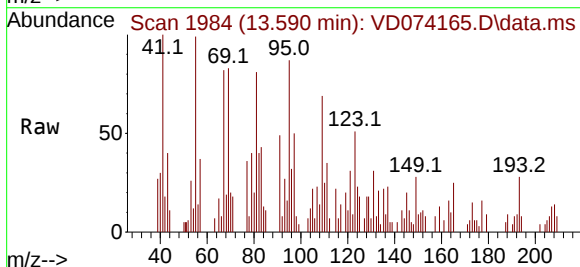
Tgt Ion:146 Resp: 763

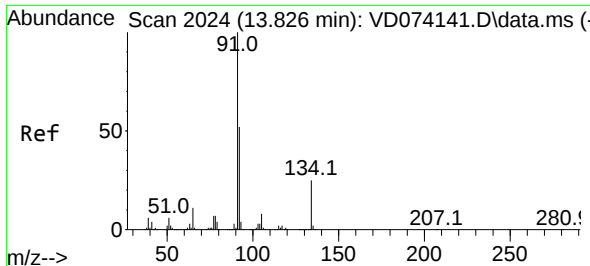
Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

148 49.9 31.7 95.1

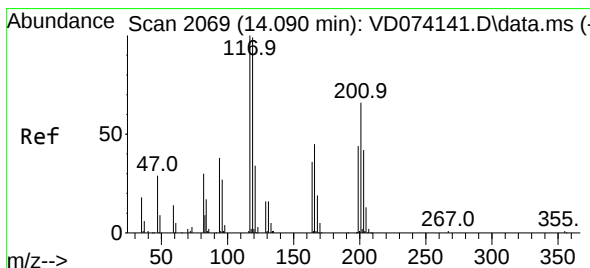
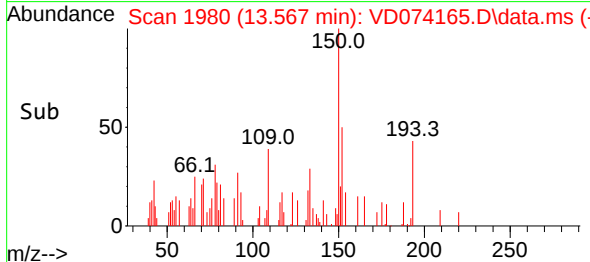
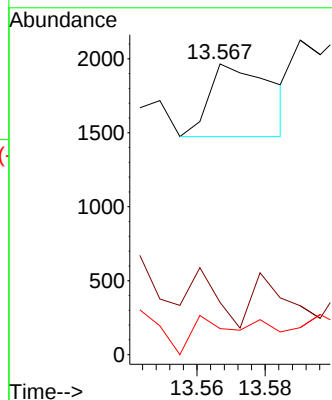
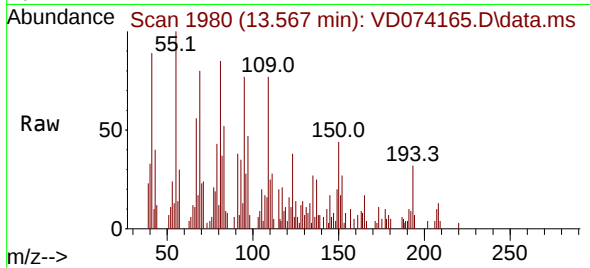




#89  
n-Butylbenzene  
Concen: 3.178 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.259 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

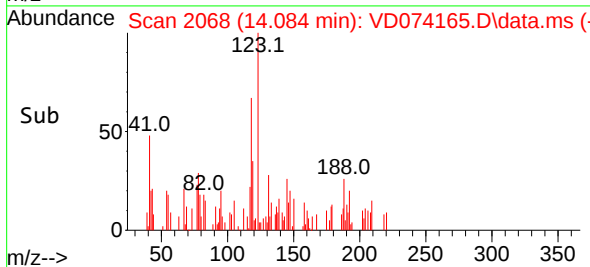
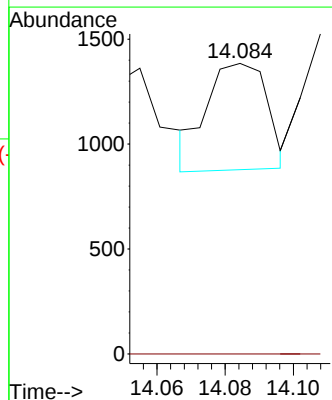
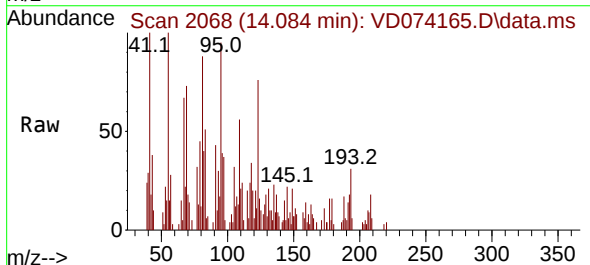
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

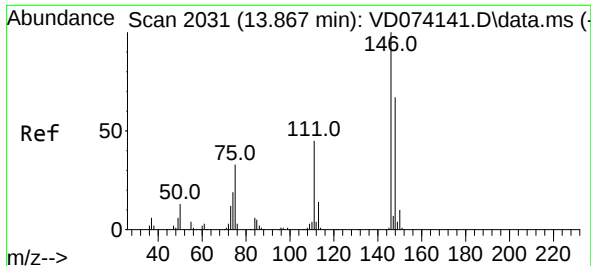
Tgt Ion: 91 Resp: 625  
Ion Ratio Lower Upper  
91 100  
92 44.8 26.6 79.8  
134 34.2 12.3 36.9



#90  
Hexachloroethane  
Concen: 15.681 ug/l  
RT: 14.084 min Scan# 2068  
Delta R.T. -0.006 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

Tgt Ion: 117 Resp: 618  
Ion Ratio Lower Upper  
117 100  
201 0.0 33.4 100.2#





#91

1,2-Dichlorobenzene

Concen: 4.956 ug/l

RT: 13.861 min Scan# 2031

Delta R.T. -0.006 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

Instrument :

MSVOA\_D

ClientSampleId :

280251

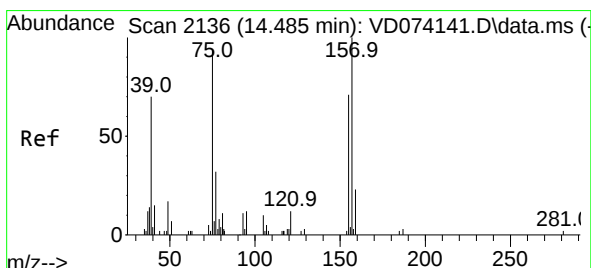
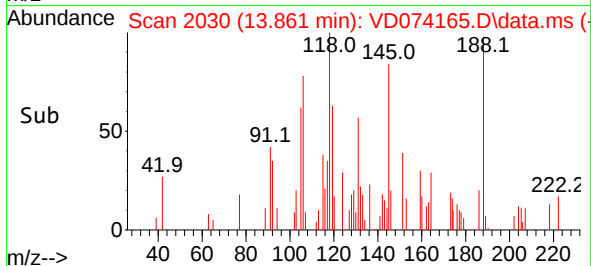
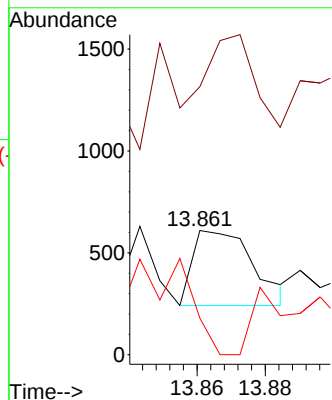
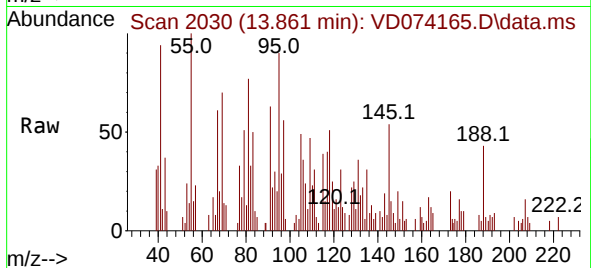
Tgt Ion:146 Resp: 453

Ion Ratio Lower Upper

146 100

111 0.0 21.1 63.3#

148 148.8 31.7 95.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.620 ug/l

RT: 14.484 min Scan# 2136

Delta R.T. -0.001 min

Lab File: VD074165.D

Acq: 19 Aug 2022 23:16

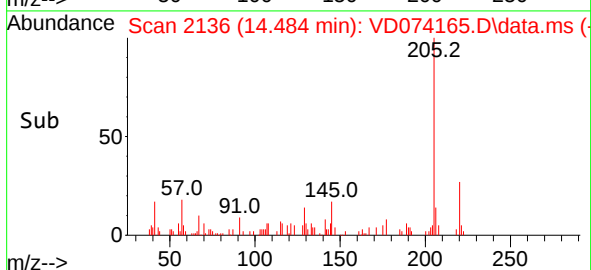
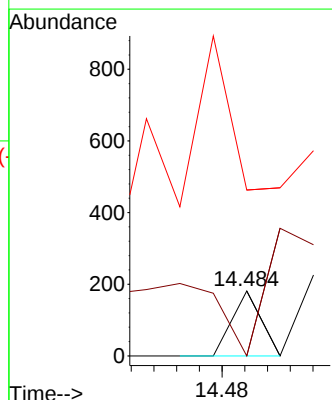
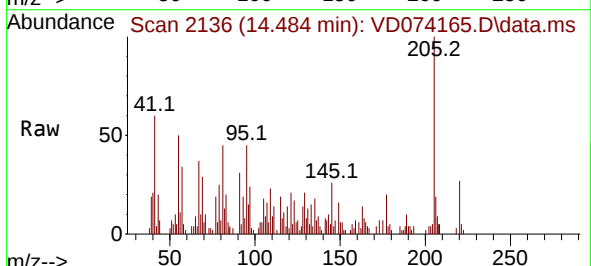
Tgt Ion: 75 Resp: 64

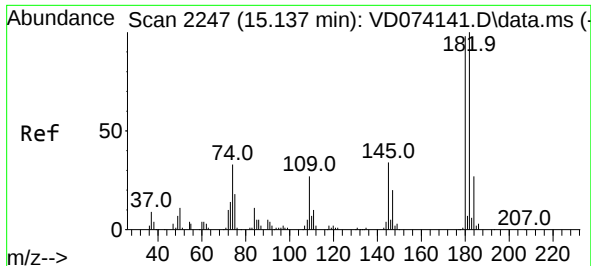
Ion Ratio Lower Upper

75 100

155 0.0 36.8 110.3#

157 1731.3 48.4 145.0#

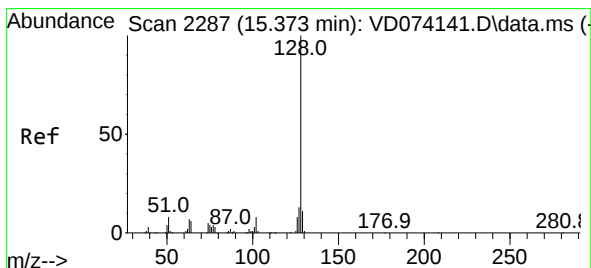
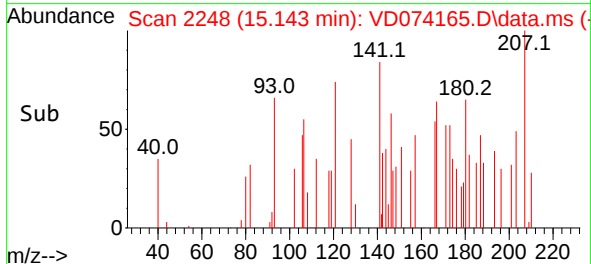
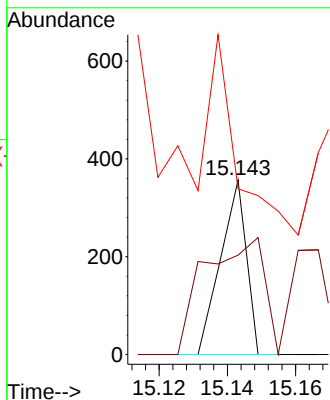
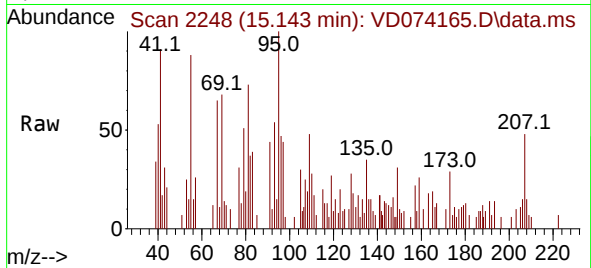




#93  
1,2,4-Trichlorobenzene  
Concen: 3.499 ug/l  
RT: 15.143 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

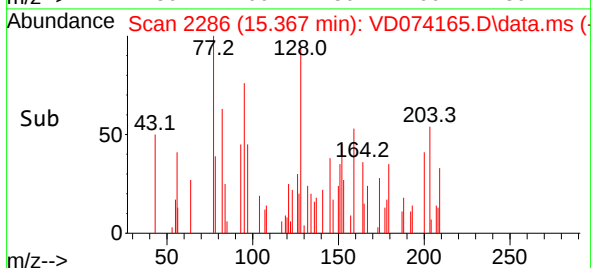
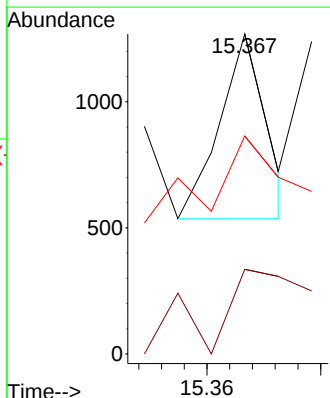
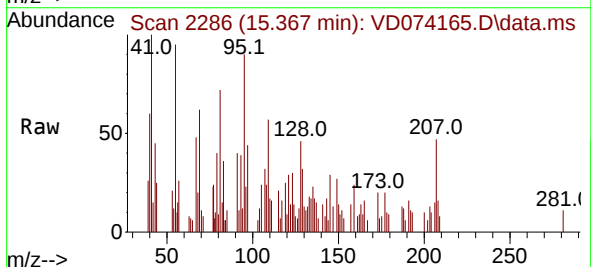
Instrument :  
MSVOA\_D  
ClientSampleId :  
280251

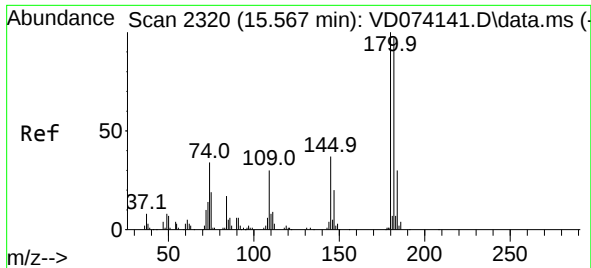
Tgt Ion:180 Resp: 187  
Ion Ratio Lower Upper  
180 100  
182 154.0 47.3 142.0#  
145 119.8 16.2 48.5#



#95  
Naphthalene  
Concen: 3.853 ug/l  
RT: 15.367 min Scan# 2286  
Delta R.T. -0.006 min  
Lab File: VD074165.D  
Acq: 19 Aug 2022 23:16

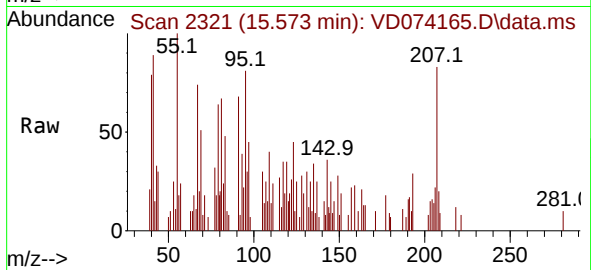
Tgt Ion:128 Resp: 417  
Ion Ratio Lower Upper  
128 100  
127 112.9 10.3 15.5#  
129 73.9 8.4 12.6#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.125 ug/l  
 RT: 15.573 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VD074165.D  
 Acq: 19 Aug 2022 23:16

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 280251



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 53    |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 132.1 | 47.6  | 142.9 |
| 145      | 949.1 | 17.1  | 51.3# |

