

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062722\  
 Data File : VD073738.D  
 Acq On : 27 Jun 2022 23:21  
 Operator : VA/SY  
 Sample : N3476-01  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 31535-SLUDGE

Quant Time: Jun 28 02:13:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062722S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 27 16:20:04 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------------|----------|
| -----                         |        |       |          |           |             |          |
| Internal Standards            |        |       |          |           |             |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 270656   | 50.000    | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855  | 114   | 472371   | 50.000    | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.632 | 117   | 425966   | 50.000    | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 185007   | 50.000    | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |           |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 142300   | 65.829    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 131.660%  |          |
| 35) Dibromofluoromethane      | 7.908  | 113   | 138557   | 50.830    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 101.660%  |          |
| 50) Toluene-d8                | 10.332 | 98    | 657970   | 71.182    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 142.360%# |          |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 270047   | 70.942    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 141.880%  |          |
| Target Compounds              |        |       |          |           |             | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.991  | 85    | 227      | Below Cal | #           | 44       |
| 4) Vinyl Chloride             | 2.515  | 62    | 70       | Below Cal | #           | 40       |
| 5) Bromomethane               | 2.762  | 94    | 726      | Below Cal | #           | 3        |
| 11) Tert butyl alcohol        | 5.162  | 59    | 9129     | Below Cal | #           | 100      |
| 13) Acrolein                  | 4.120  | 56    | 2171     | 25.943    | ug/l #      | 45       |
| 15) Acrylonitrile             | 5.485  | 53    | 16169    | 30.284    | ug/l #      | 42       |
| 16) Acetone                   | 4.156  | 43    | 76992    | 179.027   | ug/l        | 100      |
| 17) Carbon Disulfide          | 4.403  | 76    | 5147     | 1.476     | ug/l #      | 92       |
| 20) Methylene Chloride        | 4.967  | 84    | 26552    | Below Cal | #           | 75       |
| 25) 2-Butanone                | 7.203  | 43    | 26522    | 41.425    | ug/l #      | 66       |
| 29) Tetrahydrofuran           | 7.556  | 42    | 628      | 1.621     | ug/l #      | 31       |
| 30) Chloroform                | 7.656  | 83    | 23591    | 4.664     | ug/l #      | 18       |
| 31) Cyclohexane               | 7.956  | 56    | 465605   | 171.164   | ug/l #      | 44       |
| 36) 1,1-Dichloropropene       | 7.973  | 75    | 22368    | 6.588     | ug/l #      | 50       |
| 37) Ethyl Acetate             | 7.203  | 43    | 26522    | 17.142    | ug/l #      | 77       |
| 38) Carbon Tetrachloride      | 7.973  | 117   | 28445    | 6.836     | ug/l #      | 15       |
| 39) Methylcyclohexane         | 9.350  | 83    | 935587   | 271.027   | ug/l        | 90       |
| 41) Methacrylonitrile         | 7.556  | 41    | 9045     | 9.758     | ug/l #      | 47       |
| 43) Isopropyl Acetate         | 8.444  | 43    | 145054   | 48.006    | ug/l #      | 50       |
| 47) Bromodichloromethane      | 9.632  | 83    | 118221   | 28.244    | ug/l #      | 26       |
| 48) Methyl methacrylate       | 9.403  | 41    | 268139   | 195.227   | ug/l #      | 42       |
| 51) 4-Methyl-2-Pentanone      | 10.326 | 43    | 89572    | 56.009    | ug/l #      | 45       |
| 55) 1,1,2-Trichloroethane     | 10.767 | 97    | 494463   | 215.343   | ug/l #      | 22       |
| 56) Ethyl methacrylate        | 10.673 | 69    | 103028   | 39.351    | ug/l #      | 1        |
| 58) 2-Chloroethyl Vinyl ether | 9.914  | 63    | 3749     | 3.720     | ug/l #      | 43       |
| 59) 2-Hexanone                | 10.944 | 43    | 550751   | 507.314   | ug/l #      | 27       |
| 60) Dibromochloromethane      | 11.044 | 129   | 4020     | 1.328     | ug/l        | 84       |
| 61) 1,2-Dibromoethane         | 11.208 | 107   | 5502     | 2.539     | ug/l #      | 1        |
| 67) Ethyl Benzene             | 11.744 | 91    | 27293    | 2.123     | ug/l #      | 82       |
| 68) m/p-Xylenes               | 11.844 | 106   | 23739    | 4.792     | ug/l #      | 63       |
| 69) o-Xylene                  | 12.173 | 106   | 5841     | 1.248     | ug/l        | 34       |
| 73) Isopropylbenzene          | 12.467 | 105   | 31995    | 2.879     | ug/l        | 94       |
| 74) N-amyl acetate            | 12.255 | 43    | 372285   | 151.924   | ug/l #      | 48       |
| 75) 1,1,2,2-Tetrachloroethane | 12.702 | 83    | 20300    | 9.060     | ug/l #      | 1        |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 96829    | 69.956    | ug/l #      | 1        |
| 78) n-propylbenzene           | 12.808 | 91    | 50646    | 3.665     | ug/l        | 92       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062722\  
 Data File : VD073738.D  
 Acq On : 27 Jun 2022 23:21  
 Operator : VA/SY  
 Sample : N3476-01  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 31535-SLUDGE

Quant Time: Jun 28 02:13:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062722S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 27 16:20:04 2022  
 Response via : Initial Calibration

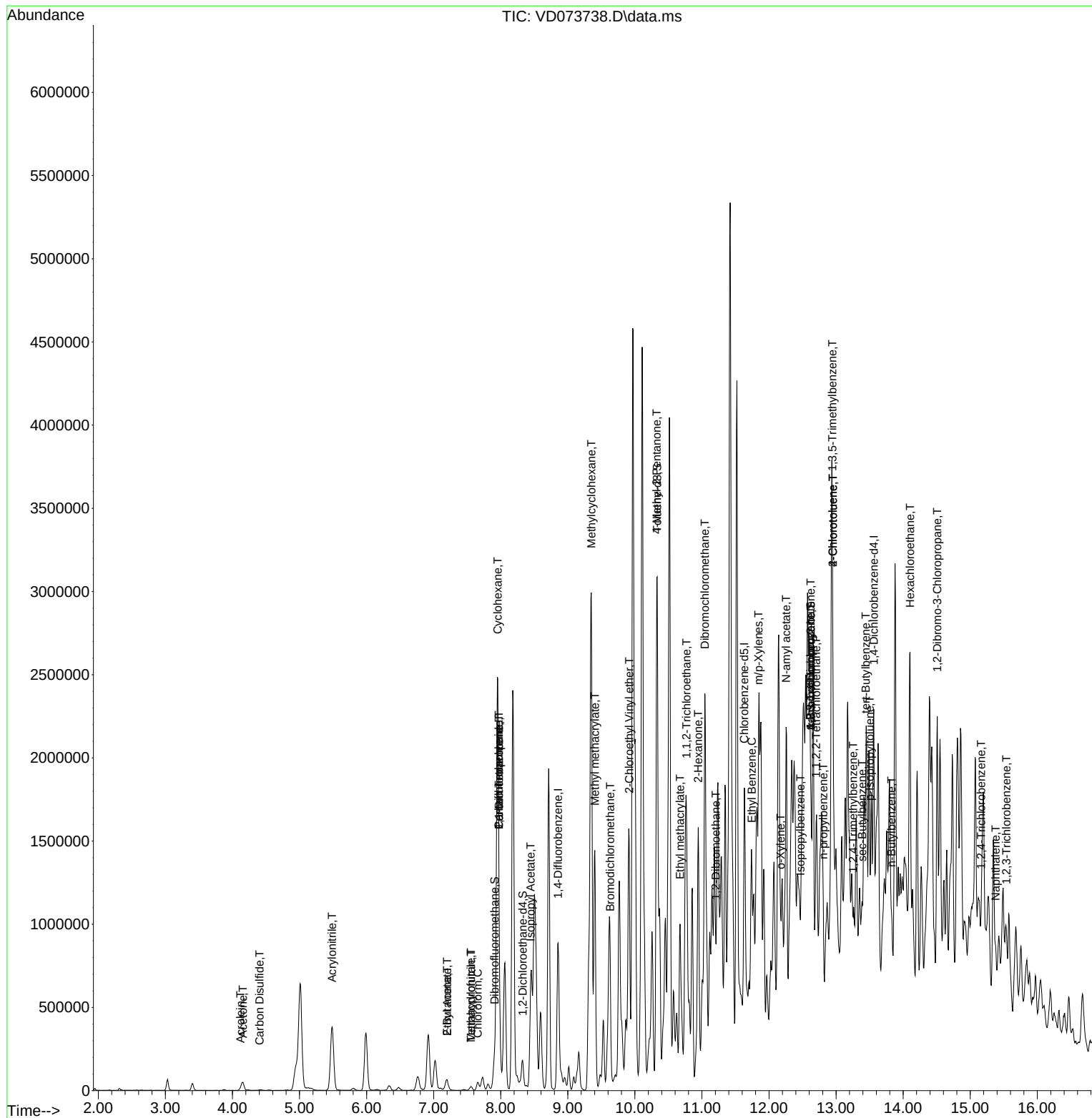
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| 79) 2-Chlorotoluene           | 12.949 | 91   | 27834    | 3.425   | ug/l   | 90       |
| 80) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 228458   | 23.728  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75   | 96829    | 142.485 | ug/l # | 11       |
| 82) 4-Chlorotoluene           | 12.949 | 91   | 28647    | 3.351   | ug/l   | 91       |
| 83) tert-Butylbenzene         | 13.444 | 119  | 65571    | 7.885   | ug/l   | 71       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 108779   | 11.427  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.391 | 105  | 42882    | 3.426   | ug/l # | 55       |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 58153    | 5.630   | ug/l   | 91       |
| 89) n-Butylbenzene            | 13.826 | 91   | 121113   | 12.482  | ug/l # | 73       |
| 90) Hexachloroethane          | 14.102 | 117  | 76784    | 35.127  | ug/l # | 16       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.508 | 75   | 3133     | 8.477   | ug/l # | 40       |
| 93) 1,2,4-Trichlorobenzene    | 15.161 | 180  | 4149     | 1.370   | ug/l # | 1        |
| 95) Naphthalene               | 15.379 | 128  | 51756    | 9.358   | ug/l # | 76       |
| 96) 1,2,3-Trichlorobenzene    | 15.538 | 180  | 7738     | 2.899   | ug/l # | 1        |
| -----                         |        |      |          |         |        |          |

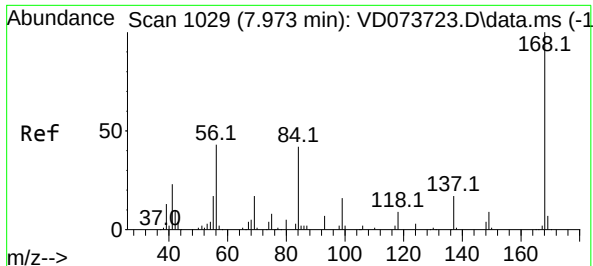
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062722\  
 Data File : VD073738.D  
 Acq On : 27 Jun 2022 23:21  
 Operator : VA/SY  
 Sample : N3476-01  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 31535-SLUDGE

Quant Time: Jun 28 02:13:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062722S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 27 16:20:04 2022  
 Response via : Initial Calibration

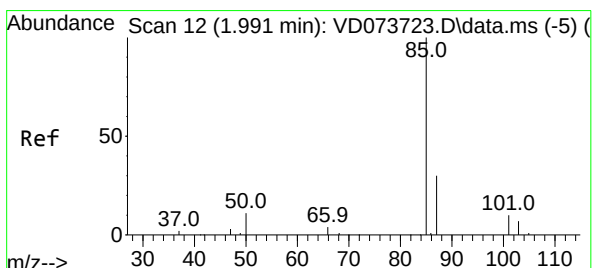
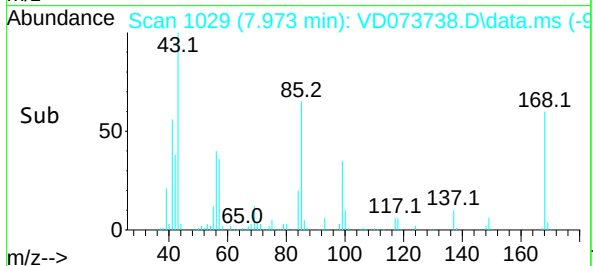
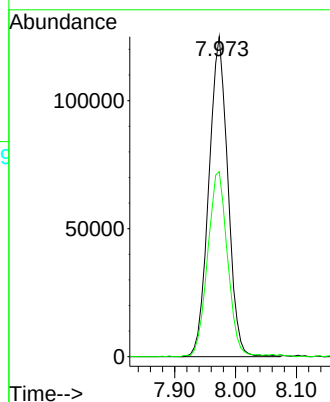
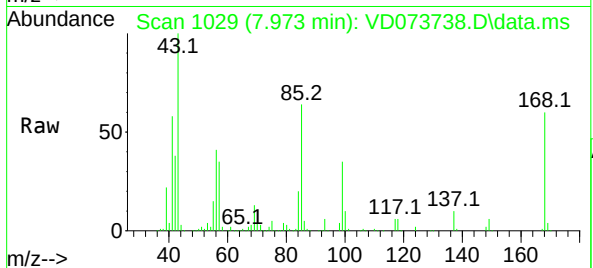




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

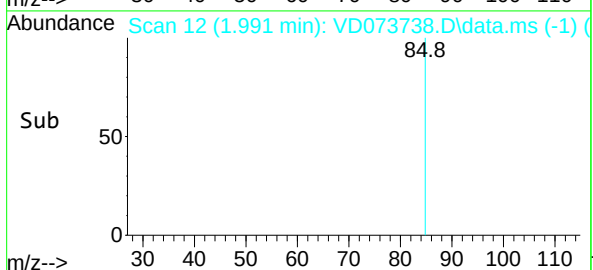
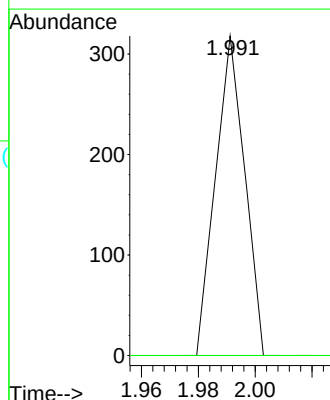
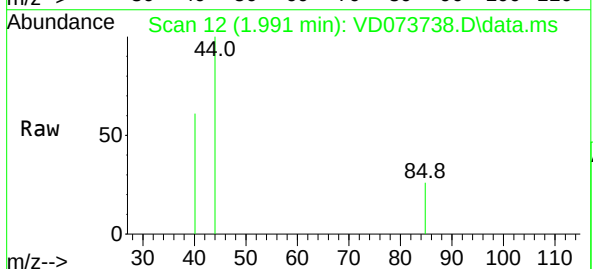
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

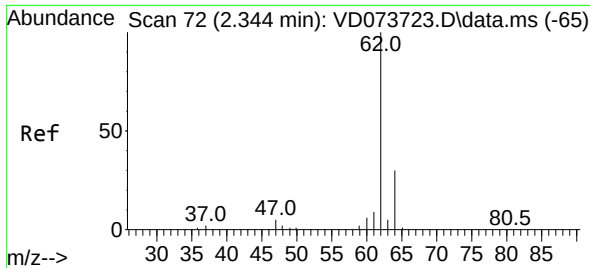
Tgt Ion:168 Resp: 270656  
Ion Ratio Lower Upper  
168 100  
99 57.9 46.4 69.6



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 85 Resp: 227  
Ion Ratio Lower Upper  
85 100  
87 0.0 15.2 45.5#

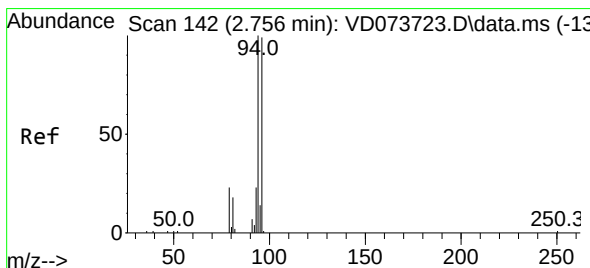
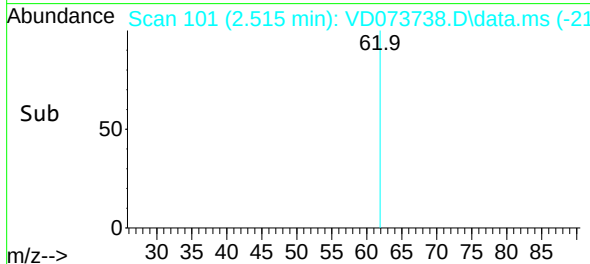
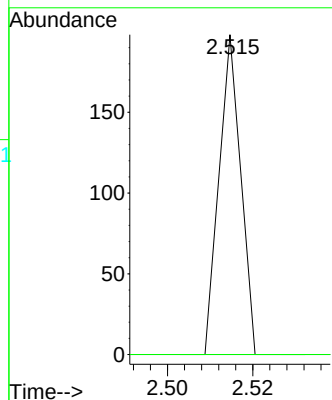
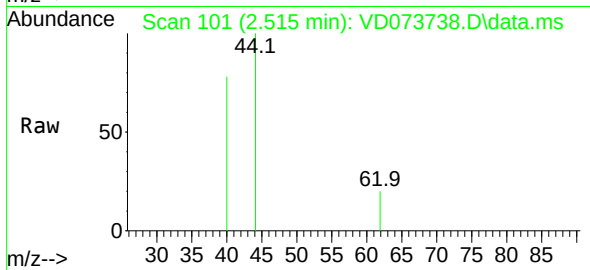




#4  
 Vinyl Chloride  
 Concen: Below Cal  
 RT: 2.515 min Scan# 101  
 Delta R.T. 0.171 min  
 Lab File: VD073738.D  
 Acq: 27 Jun 2022 23:21

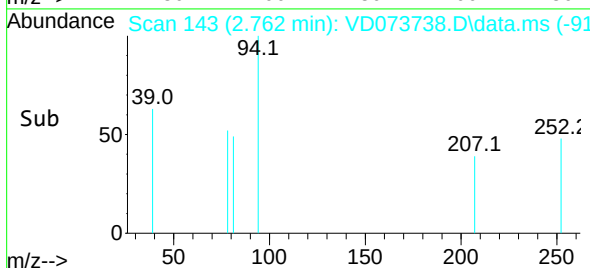
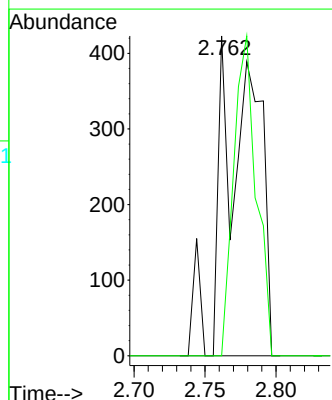
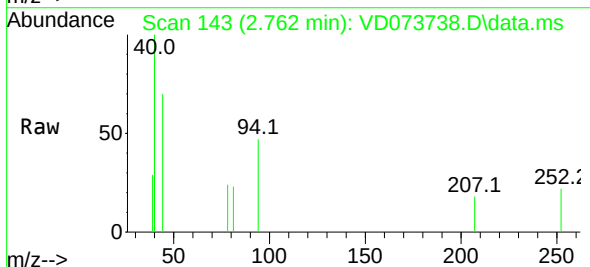
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 31535-SLUDGE

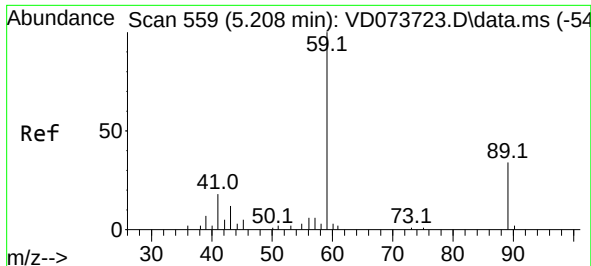
Tgt Ion: 62 Resp: 70  
 Ion Ratio Lower Upper  
 62 100  
 64 0.0 27.8 41.6#



#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 2.762 min Scan# 143  
 Delta R.T. 0.006 min  
 Lab File: VD073738.D  
 Acq: 27 Jun 2022 23:21

Tgt Ion: 94 Resp: 726  
 Ion Ratio Lower Upper  
 94 100  
 96 0.0 75.1 112.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.162 min Scan# 51

Delta R.T. -0.046 min

Lab File: VD073738.D

Acq: 27 Jun 2022 23:21

Instrument :

MSVOA\_D

ClientSampleId :

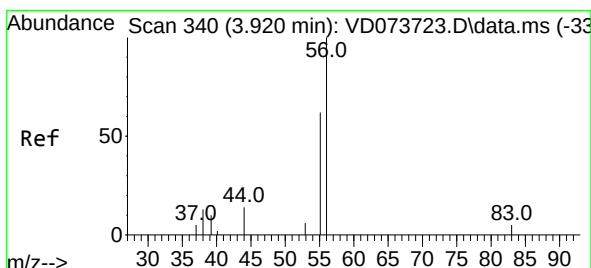
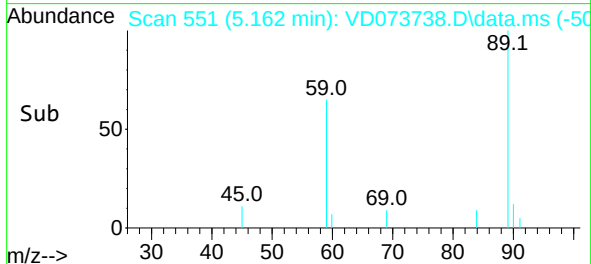
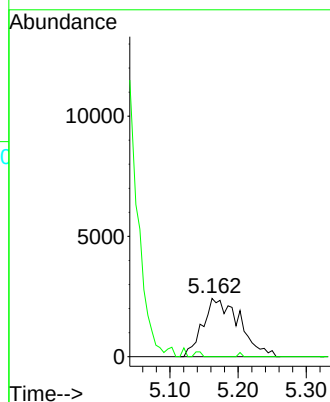
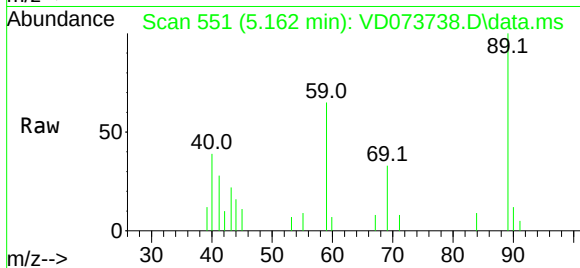
31535-SLUDGE

Tgt Ion: 59 Resp: 9129

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



#13

Acrolein

Concen: 25.943 ug/l

RT: 4.120 min Scan# 374

Delta R.T. 0.200 min

Lab File: VD073738.D

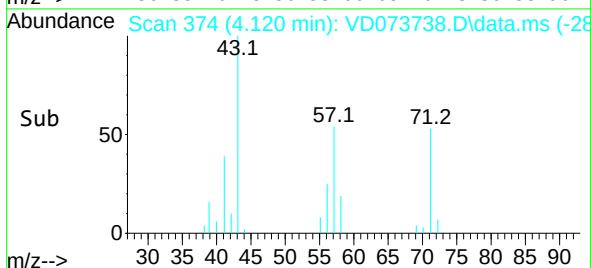
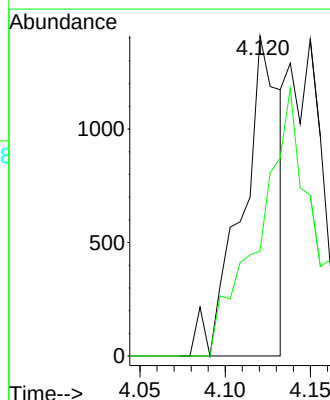
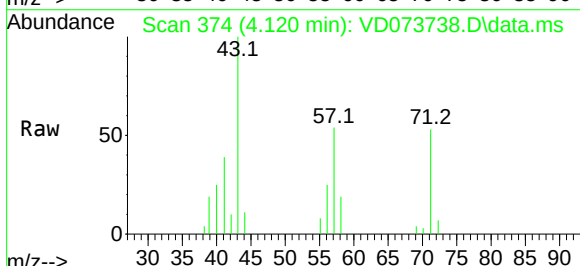
Acq: 27 Jun 2022 23:21

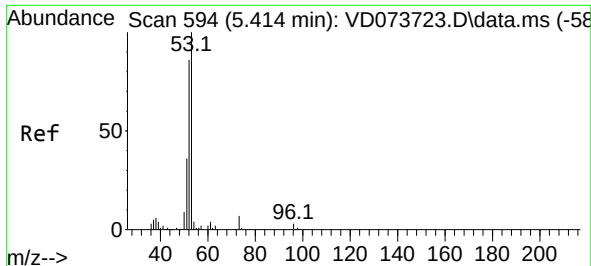
Tgt Ion: 56 Resp: 2171

Ion Ratio Lower Upper

56 100

55 122.4 60.3 90.5#

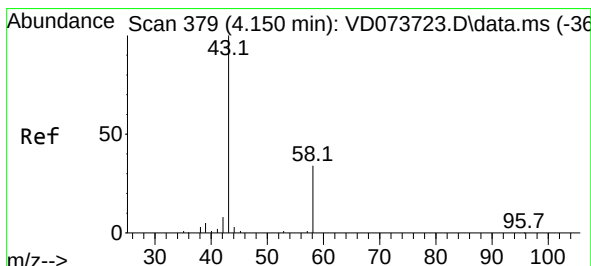
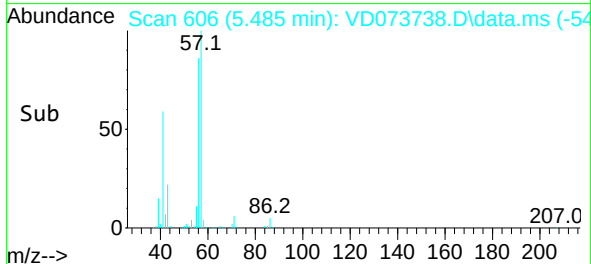
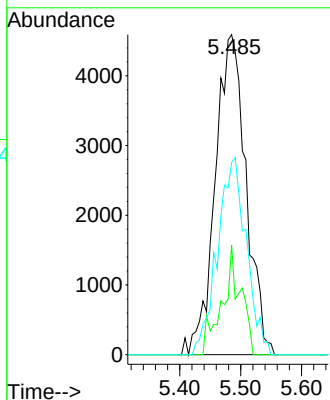
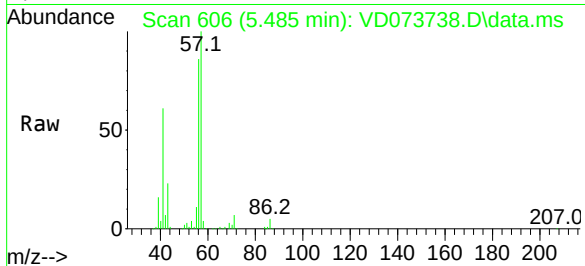




#15  
Acrylonitrile  
Concen: 30.284 ug/l  
RT: 5.485 min Scan# 60  
Delta R.T. 0.071 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

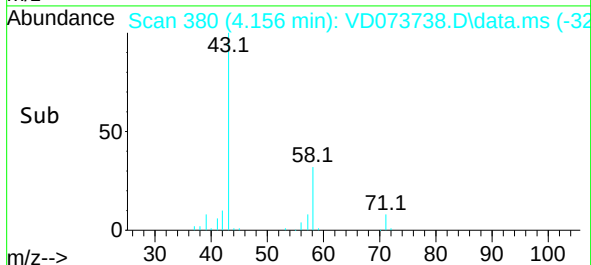
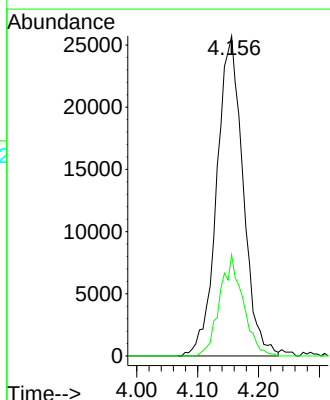
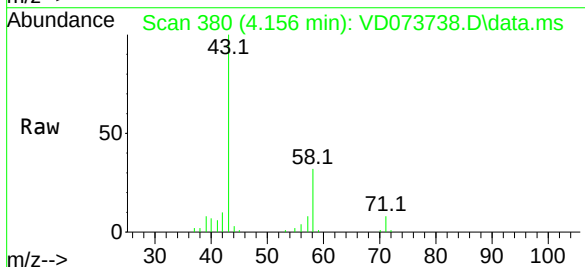
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

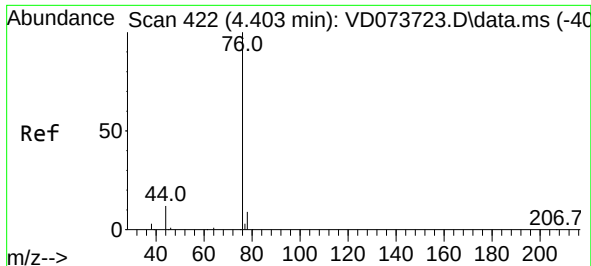
Tgt Ion: 53 Resp: 16169  
Ion Ratio Lower Upper  
53 100  
52 20.6 66.2 99.2#  
51 57.6 30.2 45.2#



#16  
Acetone  
Concen: 179.027 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. 0.006 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 43 Resp: 76992  
Ion Ratio Lower Upper  
43 100  
58 31.6 25.2 37.8

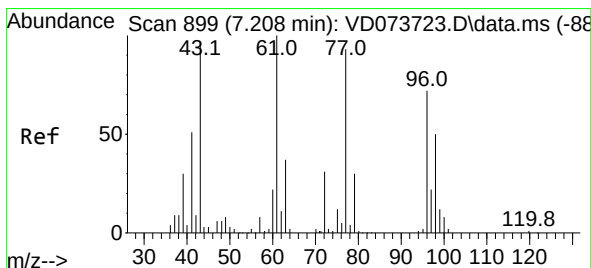
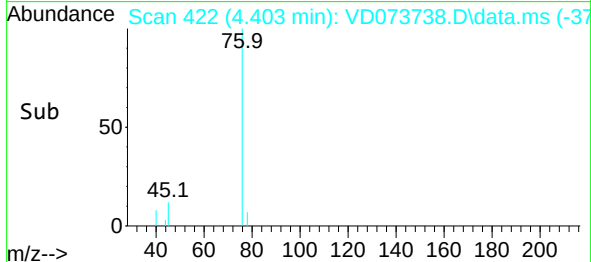
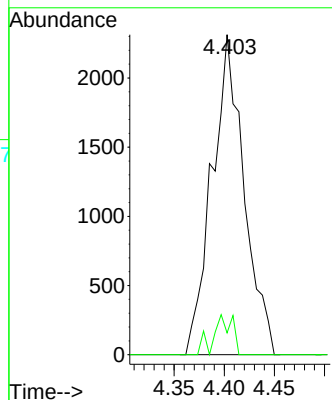
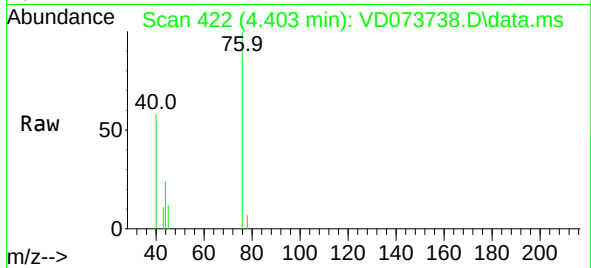




#17  
Carbon Disulfide  
Concen: 1.476 ug/l  
RT: 4.403 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

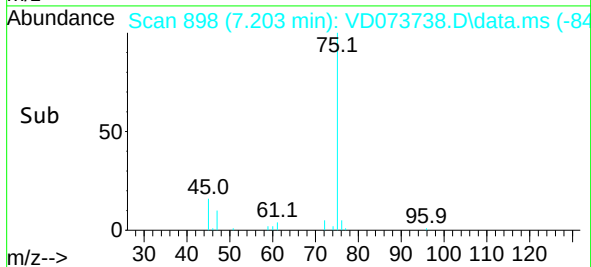
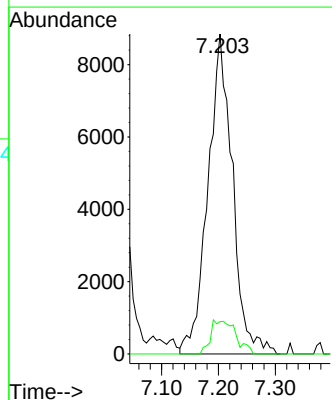
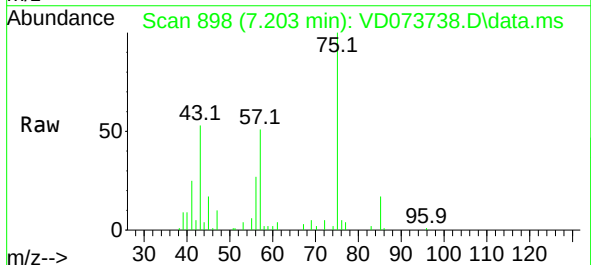
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

Tgt Ion: 76 Resp: 5147  
Ion Ratio Lower Upper  
76 100  
78 6.8 7.7 11.5#

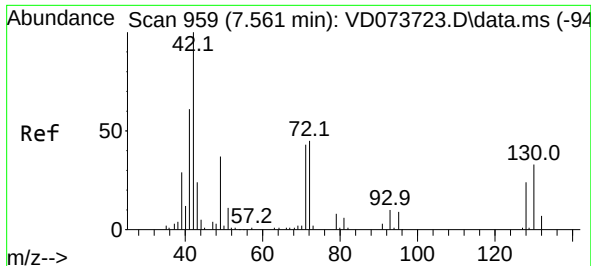


#25  
2-Butanone  
Concen: 41.425 ug/l  
RT: 7.203 min Scan# 898  
Delta R.T. -0.005 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 43 Resp: 26522  
Ion Ratio Lower Upper  
43 100  
72 10.1 22.6 33.8#







#29

Tetrahydrofuran

Concen: 1.621 ug/l

RT: 7.556 min Scan# 91

Delta R.T. -0.005 min

Lab File: VD073738.D

Acq: 27 Jun 2022 23:21

Instrument :

MSVOA\_D

ClientSampleId :

31535-SLUDGE

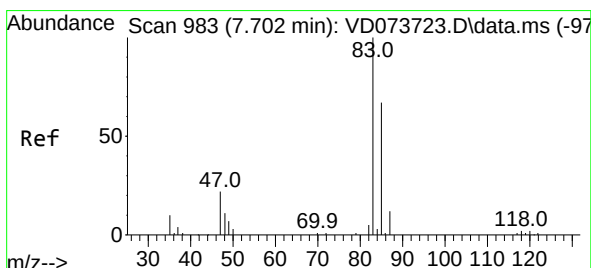
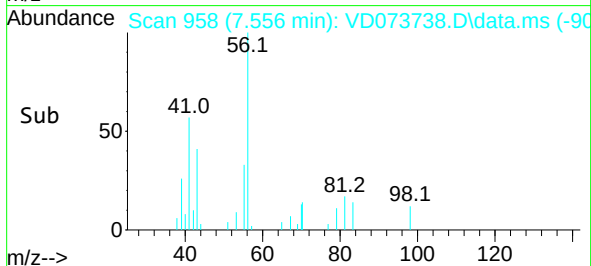
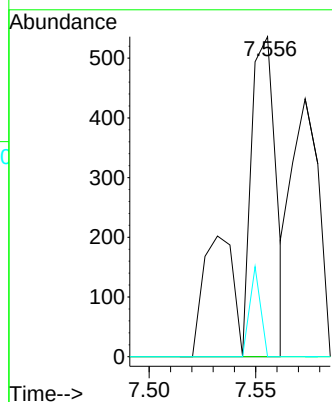
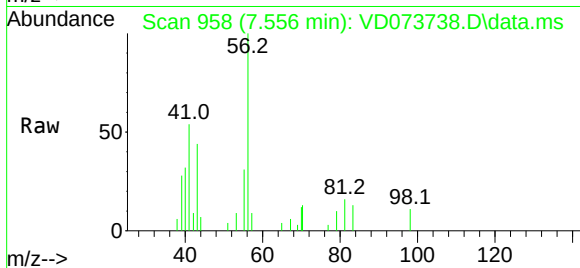
Tgt Ion: 42 Resp: 628

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 0.0 35.5 53.3#



#30

Chloroform

Concen: 4.664 ug/l

RT: 7.656 min Scan# 975

Delta R.T. -0.046 min

Lab File: VD073738.D

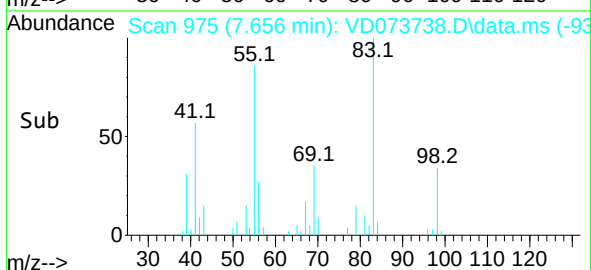
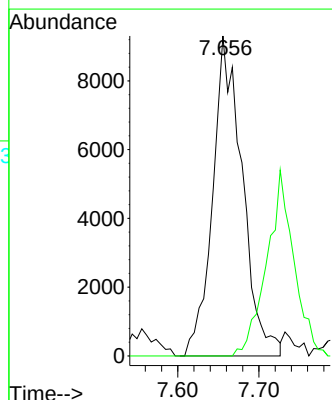
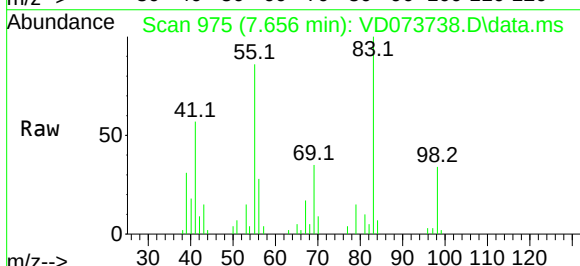
Acq: 27 Jun 2022 23:21

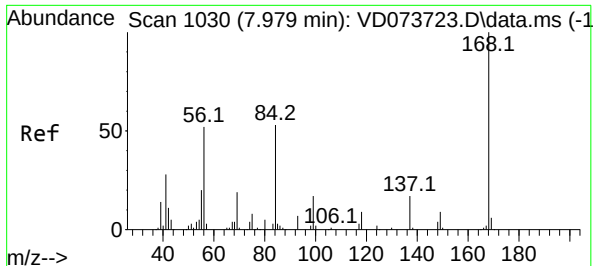
Tgt Ion: 83 Resp: 23591

Ion Ratio Lower Upper

83 100

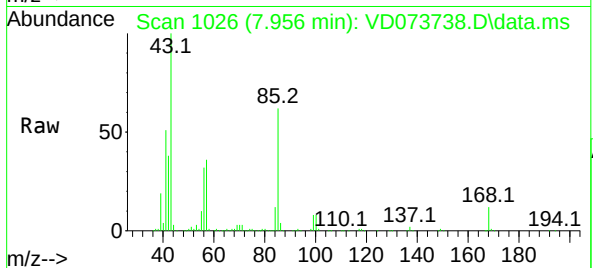
85 0.0 51.1 76.7#



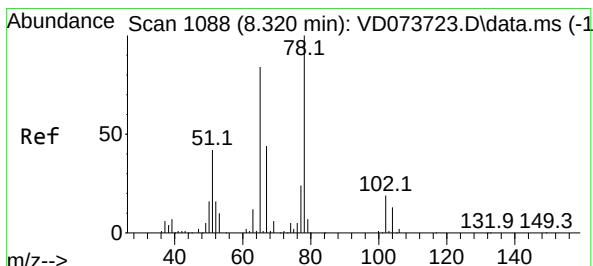
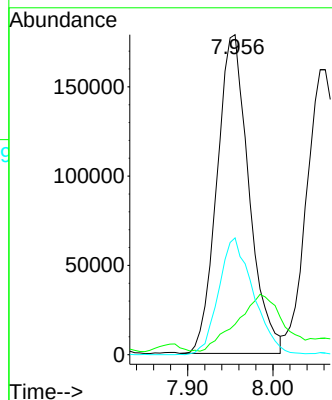
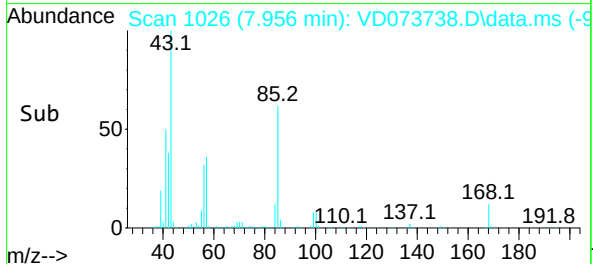


#31  
Cyclohexane  
Concen: 171.164 ug/l  
RT: 7.956 min Scan# 1026  
Delta R.T. -0.023 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

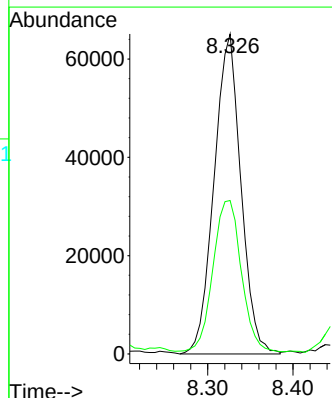
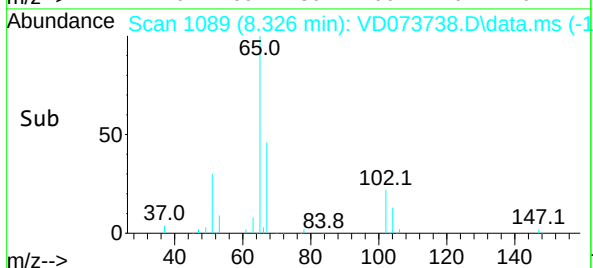
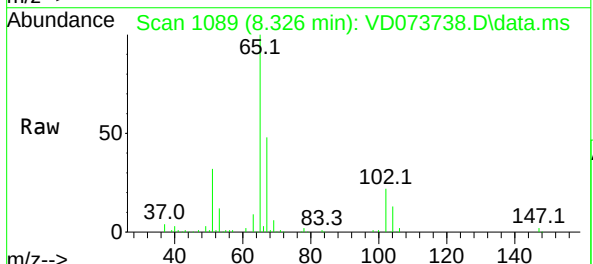


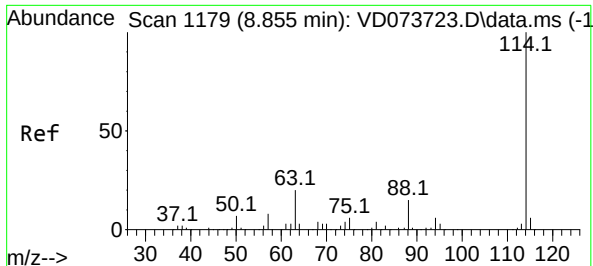
Tgt Ion: 56 Resp: 465605  
Ion Ratio Lower Upper  
56 100  
69 7.4 25.2 37.8#  
84 36.5 75.4 113.2#



#33  
1,2-Dichloroethane-d4  
Concen: 65.829 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.006 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 65 Resp: 142300  
Ion Ratio Lower Upper  
65 100  
67 49.7 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073738.D

Acq: 27 Jun 2022 23:21

Instrument :

MSVOA\_D

ClientSampleId :

31535-SLUDGE

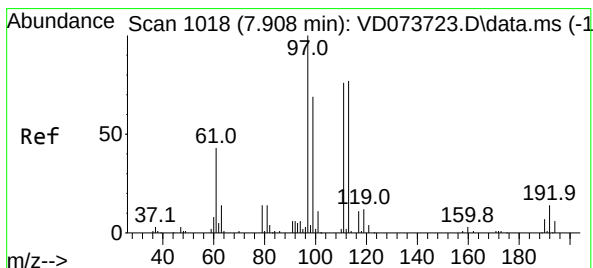
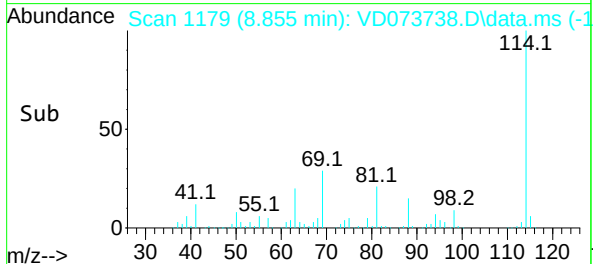
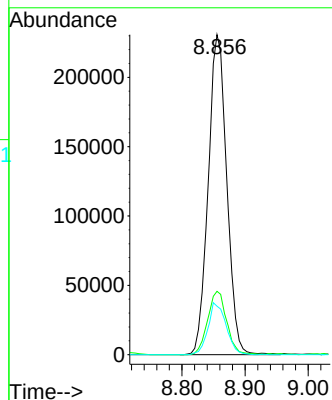
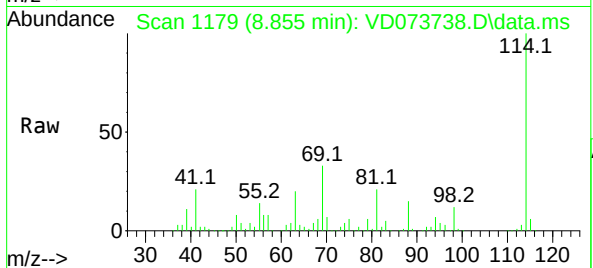
Tgt Ion:114 Resp: 472371

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

88 15.1 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.830 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073738.D

Acq: 27 Jun 2022 23:21

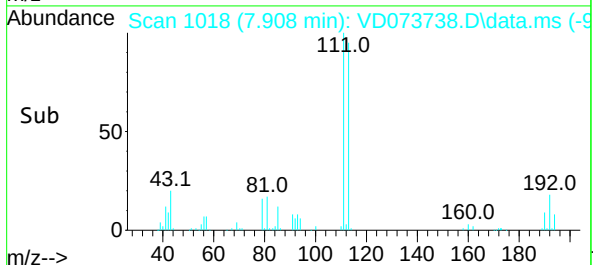
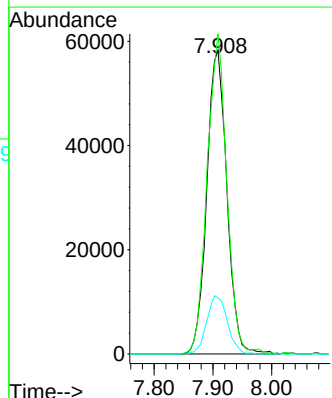
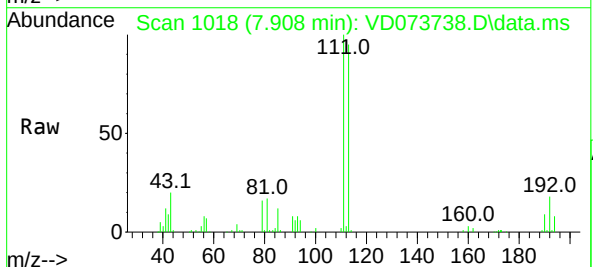
Tgt Ion:113 Resp: 138557

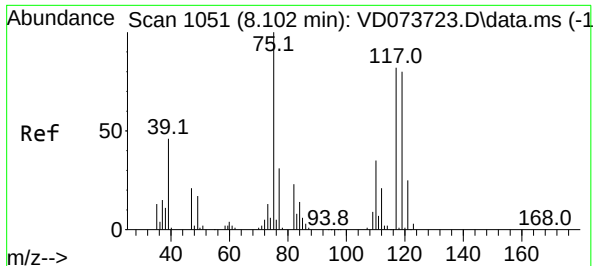
Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.6

192 19.7 14.8 22.2





#36

1,1-Dichloropropene

Concen: 6.588 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD073738.D

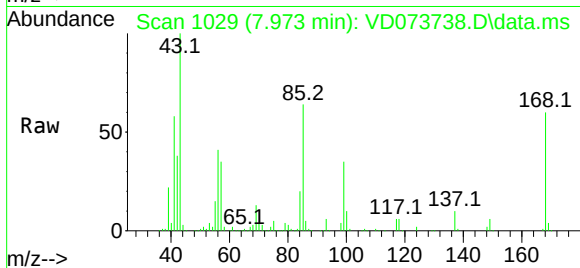
Acq: 27 Jun 2022 23:21

Instrument :

MSVOA\_D

ClientSampleId :

31535-SLUDGE



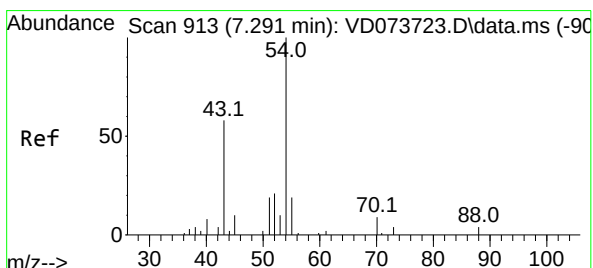
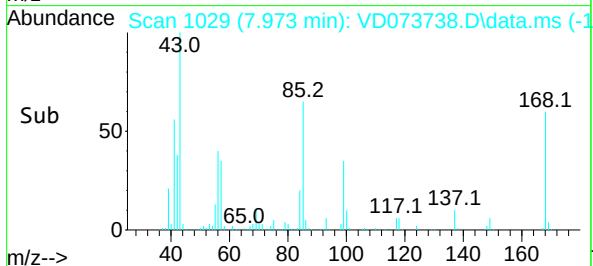
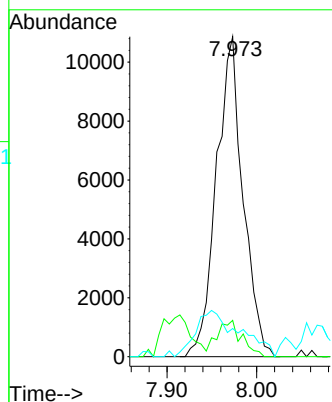
Tgt Ion: 75 Resp: 22368

Ion Ratio Lower Upper

75 100

110 10.5 18.0 54.0#

77 0.0 25.6 38.4#



#37

Ethyl Acetate

Concen: 17.142 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.088 min

Lab File: VD073738.D

Acq: 27 Jun 2022 23:21

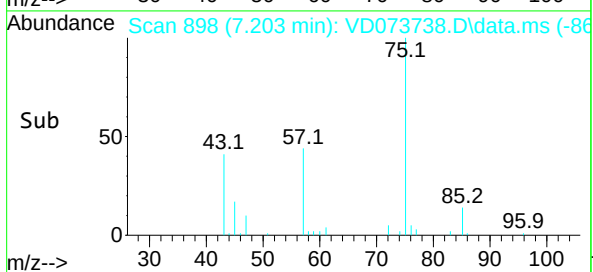
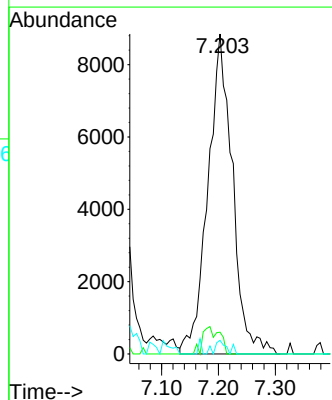
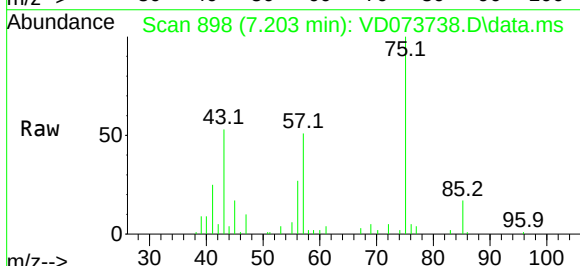
Tgt Ion: 43 Resp: 26522

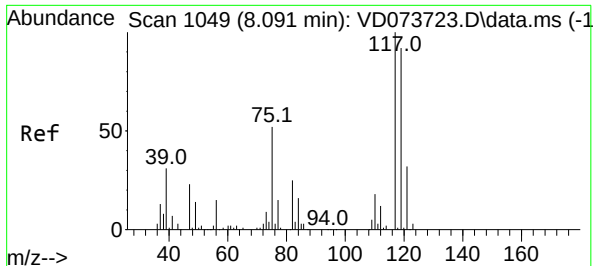
Ion Ratio Lower Upper

43 100

61 5.9 10.6 16.0#

70 1.8 9.9 14.9#

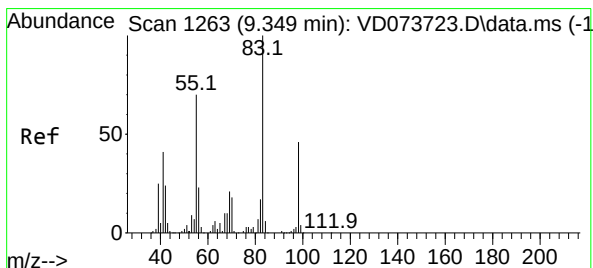
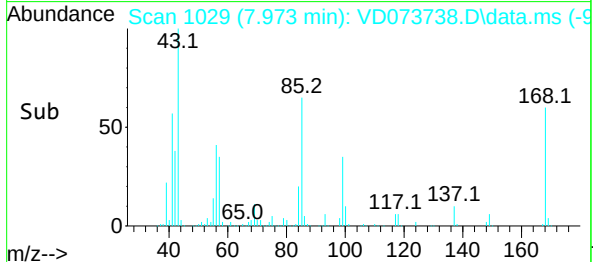
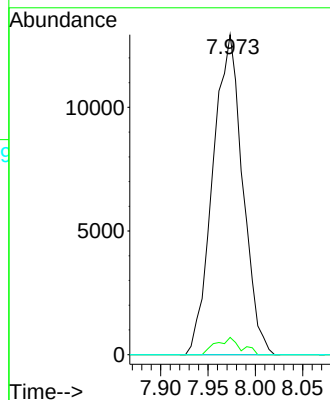
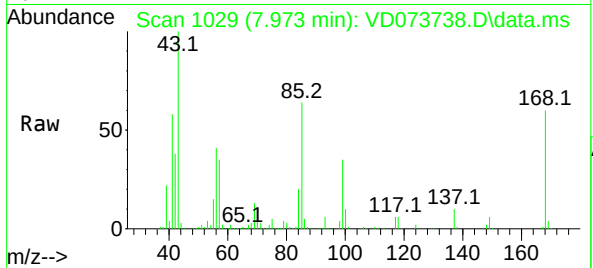




#38  
Carbon Tetrachloride  
Concen: 6.836 ug/l  
RT: 7.973 min Scan# 1049  
Delta R.T. -0.118 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

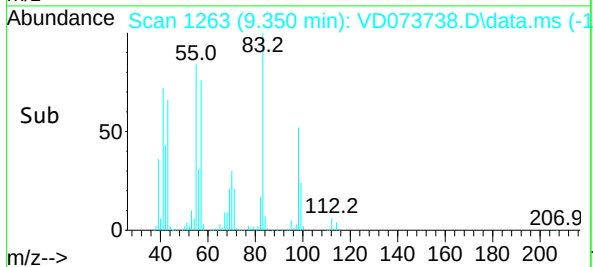
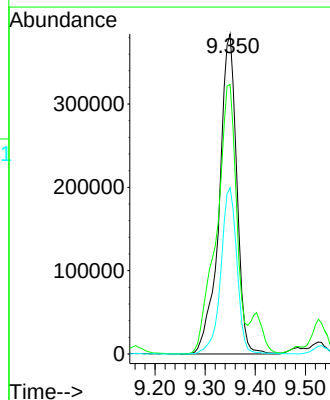
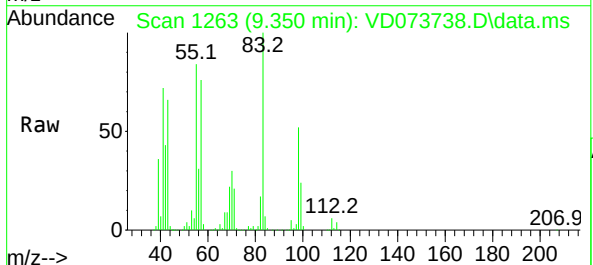
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

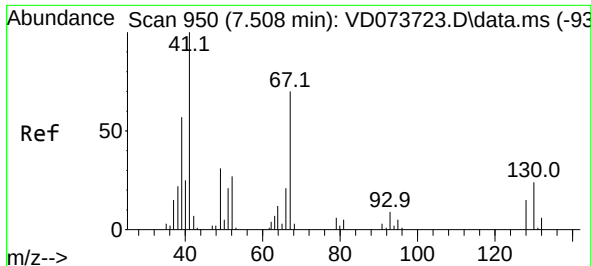
Tgt Ion:117 Resp: 28445  
Ion Ratio Lower Upper  
117 100  
119 5.4 79.2 118.8#  
121 0.0 23.8 35.8#



#39  
Methylcyclohexane  
Concen: 271.027 ug/l  
RT: 9.350 min Scan# 1263  
Delta R.T. 0.001 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

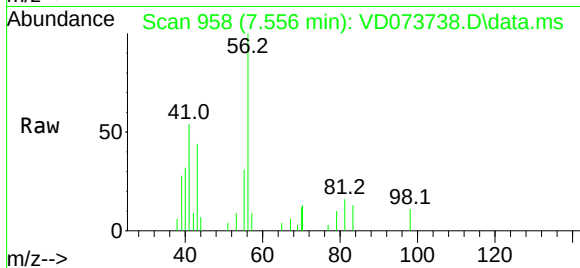
Tgt Ion: 83 Resp: 935587  
Ion Ratio Lower Upper  
83 100  
55 84.2 59.0 88.4  
98 52.0 38.3 57.5



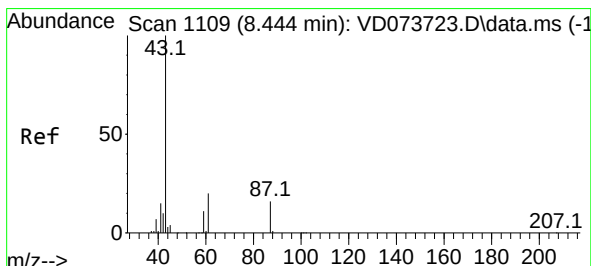
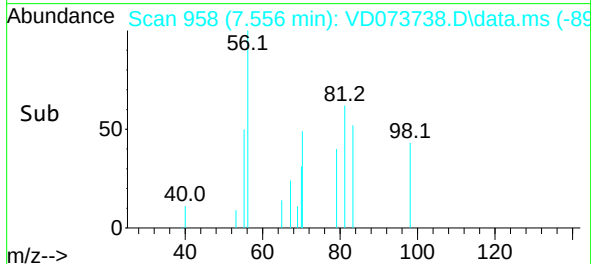
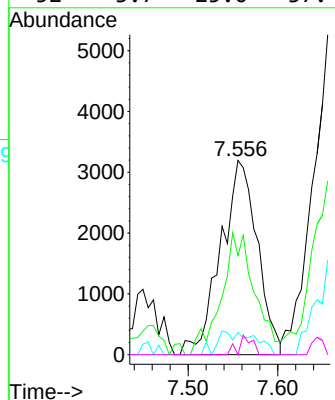


#41  
Methacrylonitrile  
Concen: 9.758 ug/l  
RT: 7.556 min Scan# 91  
Delta R.T. 0.048 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

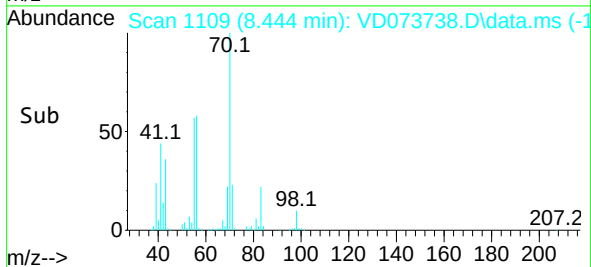
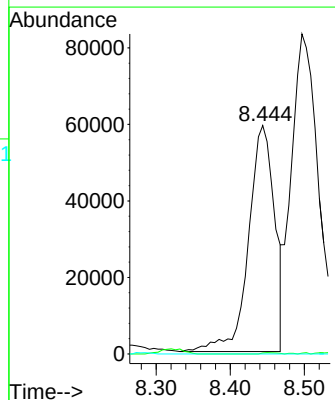
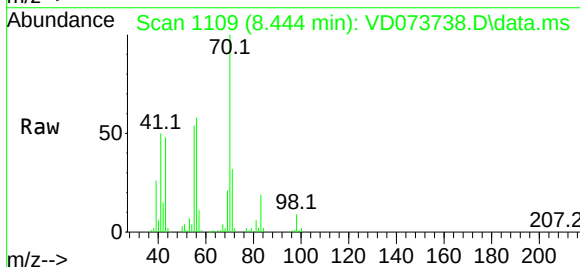


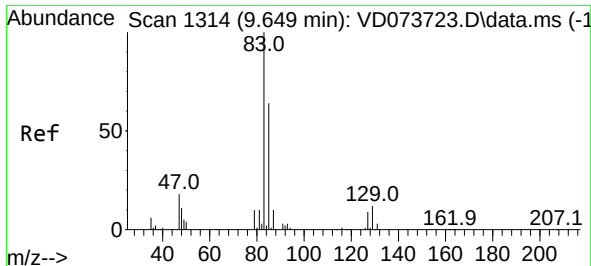
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 9045  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.6  | 42.1  | 63.1  |
| 67       | 0.0   | 58.6  | 87.8# |
| 52       | 3.7   | 25.0  | 37.4# |



#43  
Isopropyl Acetate  
Concen: 48.006 ug/l  
RT: 8.444 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 145054 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 0.3   | 25.4  | 38.0#  |
| 87       | 0.0   | 11.9  | 17.9#  |

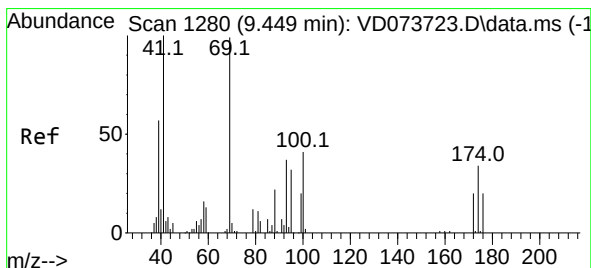
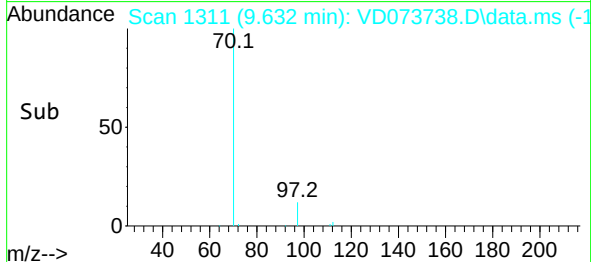
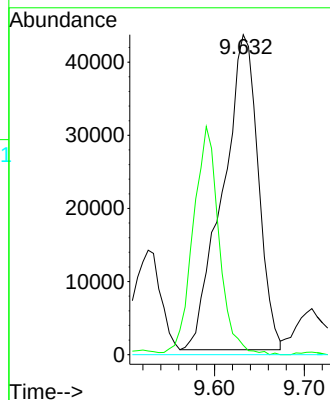
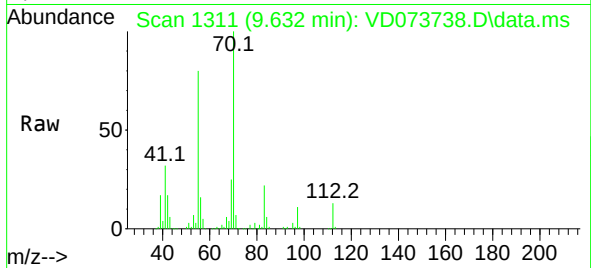




#47  
Bromodichloromethane  
Concen: 28.244 ug/l  
RT: 9.632 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

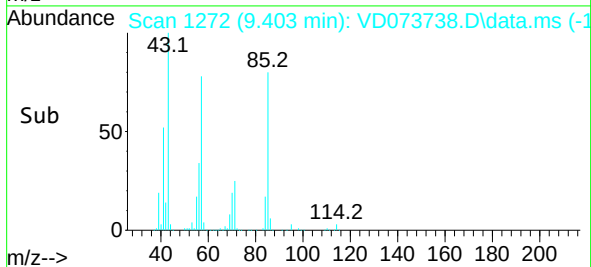
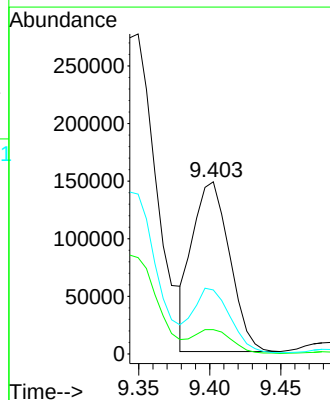
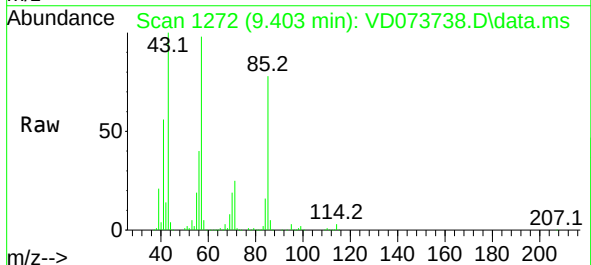
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

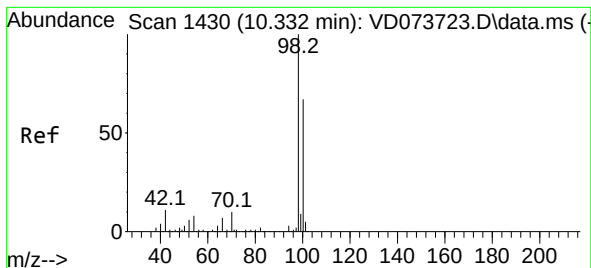
Tgt Ion: 83 Resp: 118221  
Ion Ratio Lower Upper  
83 100  
85 3.0 54.5 81.7#  
127 0.0 7.7 11.5#



#48  
Methyl methacrylate  
Concen: 195.227 ug/l  
RT: 9.403 min Scan# 1272  
Delta R.T. -0.046 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 41 Resp: 268139  
Ion Ratio Lower Upper  
41 100  
69 13.4 69.6 104.4#  
39 38.3 45.5 68.3#

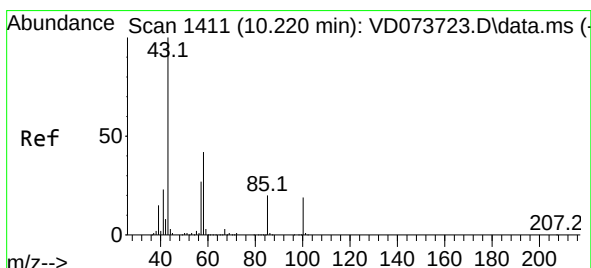
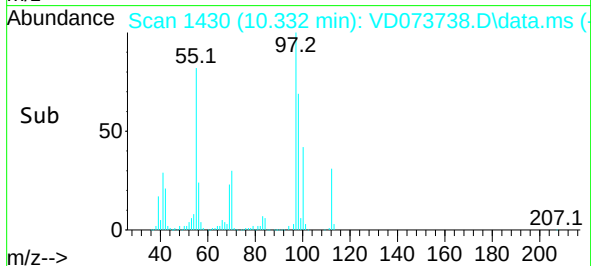
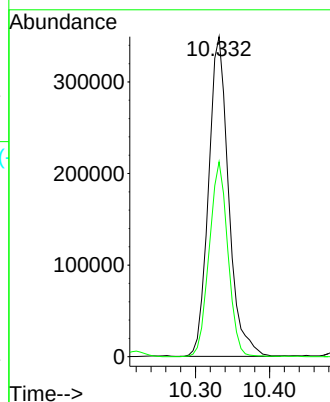
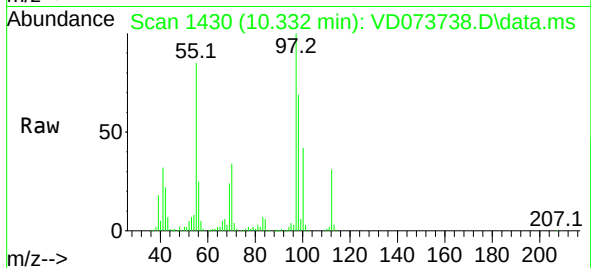




#50  
Toluene-d8  
Concen: 71.182 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

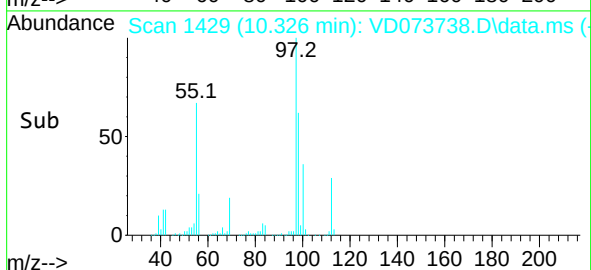
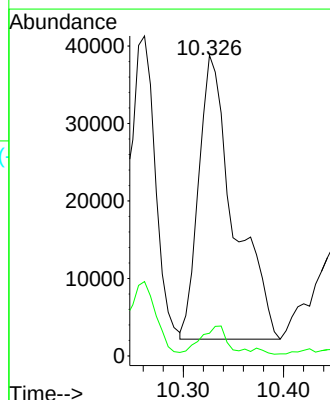
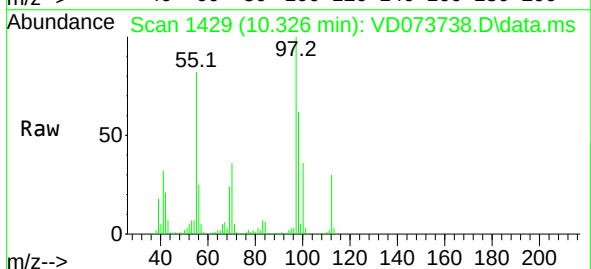
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

Tgt Ion: 98 Resp: 657970  
Ion Ratio Lower Upper  
98 100  
100 56.7 54.0 81.0

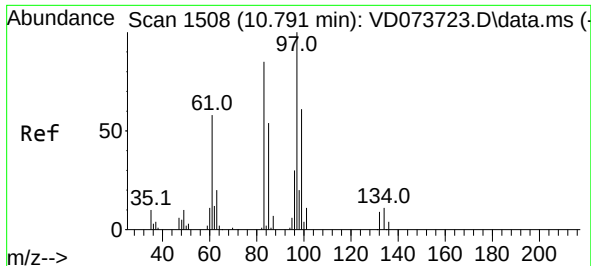


#51  
4-Methyl-2-Pentanone  
Concen: 56.009 ug/l  
RT: 10.326 min Scan# 1429  
Delta R.T. 0.106 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 43 Resp: 89572  
Ion Ratio Lower Upper  
43 100  
58 6.3 32.3 48.5#



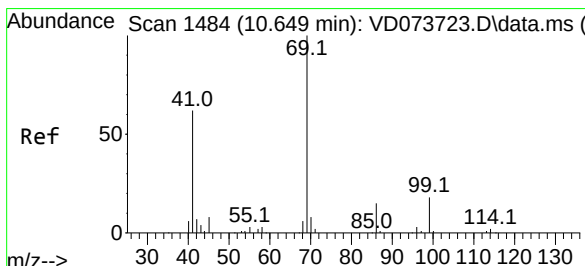
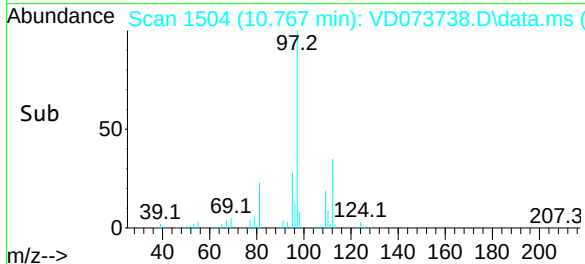
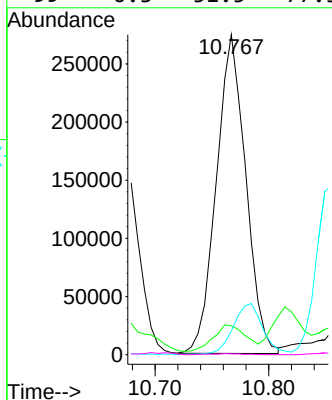
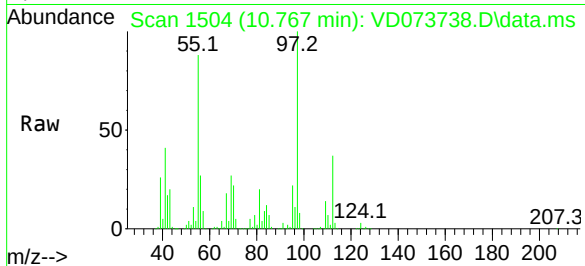




#55  
1,1,2-Trichloroethane  
Concen: 215.343 ug/l  
RT: 10.767 min Scan# 1508  
Delta R.T. -0.024 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

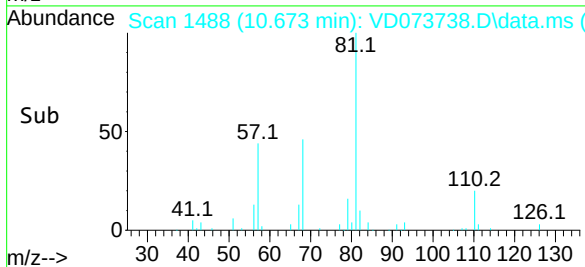
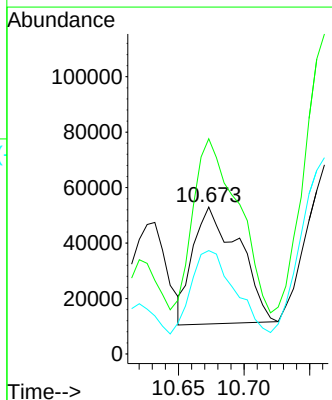
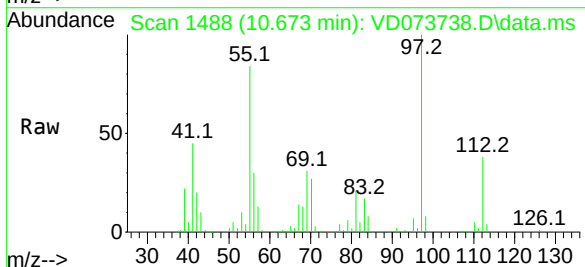
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

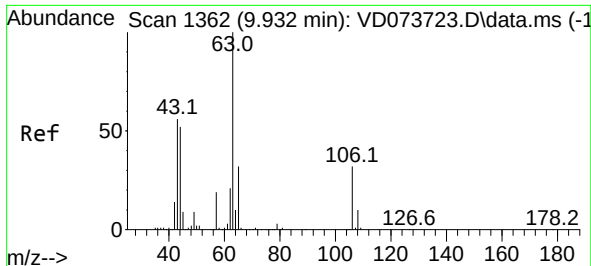
Tgt Ion: 97 Resp: 494463  
Ion Ratio Lower Upper  
97 100  
83 7.7 67.1 100.7#  
85 7.4 44.0 66.0#  
99 0.3 51.5 77.3#



#56  
Ethyl methacrylate  
Concen: 39.351 ug/l  
RT: 10.673 min Scan# 1488  
Delta R.T. 0.024 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 69 Resp: 103028  
Ion Ratio Lower Upper  
69 100  
41 163.2 51.6 77.4#  
39 76.2 29.2 43.8#

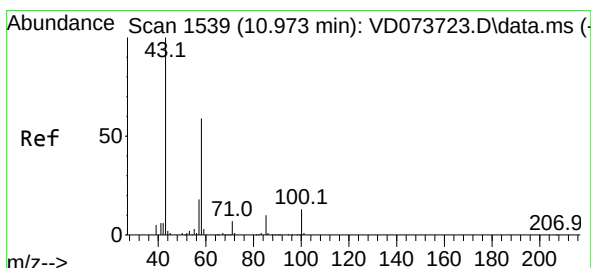
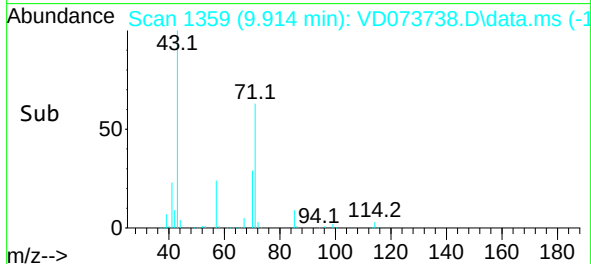
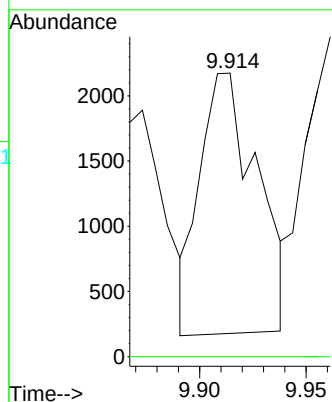
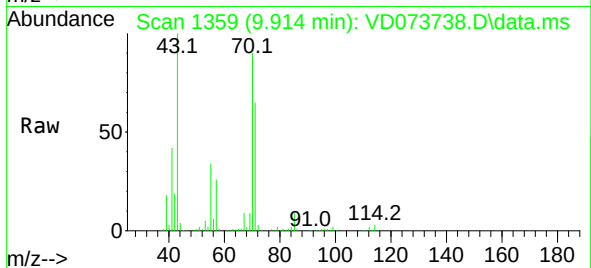




#58  
2-Chloroethyl Vinyl ether  
Concen: 3.720 ug/l  
RT: 9.914 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

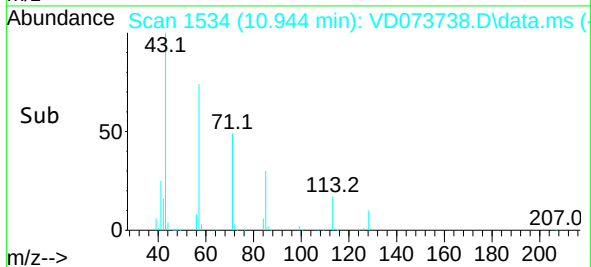
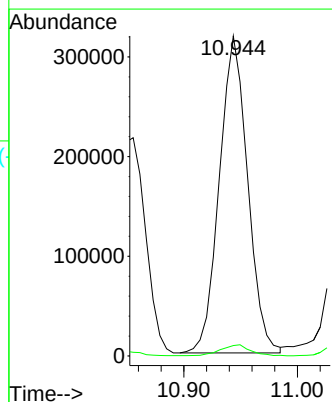
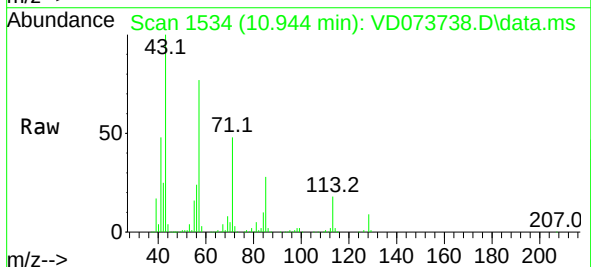
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

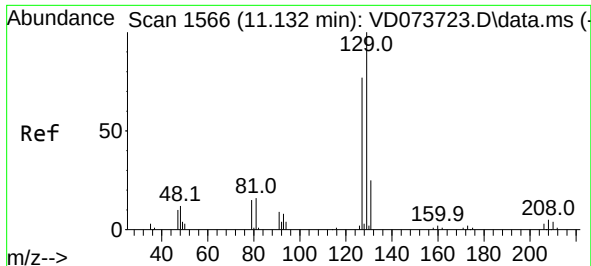
Tgt Ion: 63 Resp: 3749  
Ion Ratio Lower Upper  
63 100  
106 0.0 25.2 37.8#



#59  
2-Hexanone  
Concen: 507.314 ug/l  
RT: 10.944 min Scan# 1534  
Delta R.T. -0.029 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 43 Resp: 550751  
Ion Ratio Lower Upper  
43 100  
58 3.6 28.8 86.4#

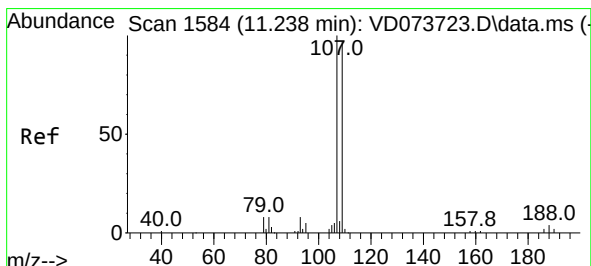
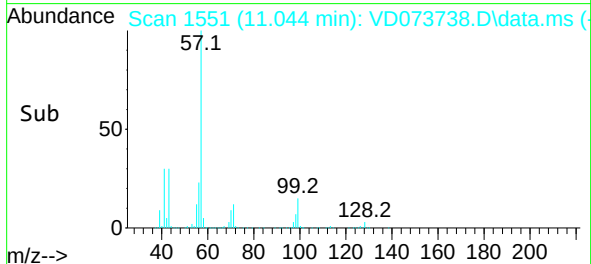
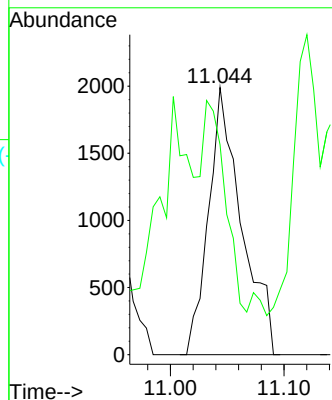
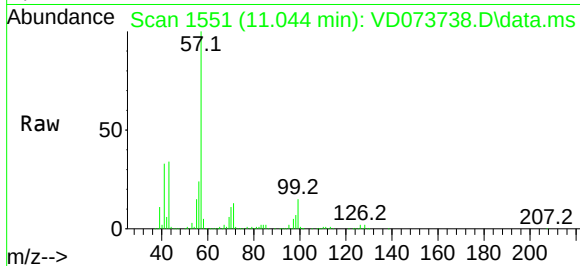




#60  
Dibromochloromethane  
Concen: 1.328 ug/l  
RT: 11.044 min Scan# 11579  
Delta R.T. -0.088 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

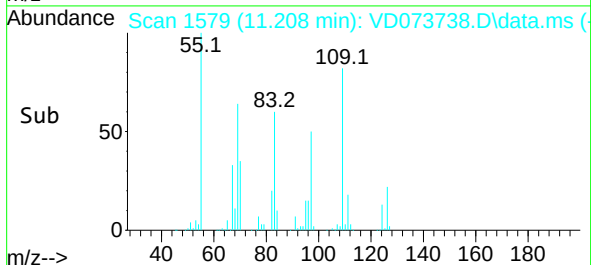
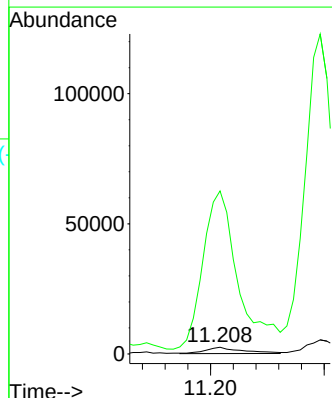
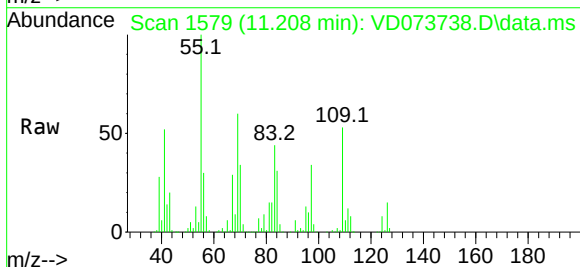
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

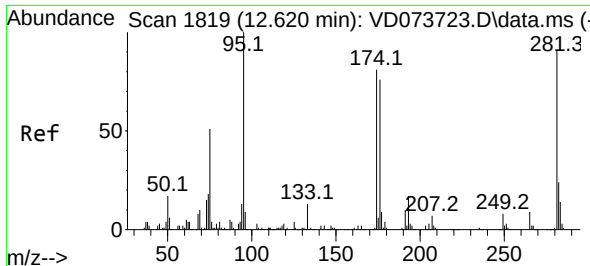
Tgt Ion:129 Resp: 4020  
Ion Ratio Lower Upper  
129 100  
127 60.3 36.8 110.4



#61  
1,2-Dibromoethane  
Concen: 2.539 ug/l  
RT: 11.208 min Scan# 1579  
Delta R.T. -0.030 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion:107 Resp: 5502  
Ion Ratio Lower Upper  
107 100  
109 2385.5 73.8 110.8#

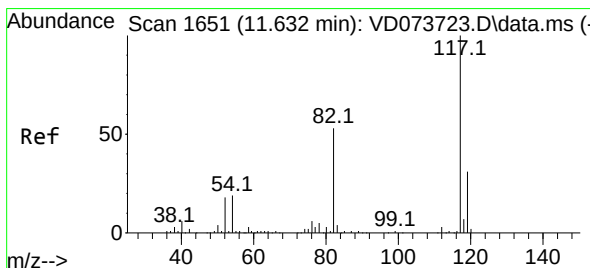
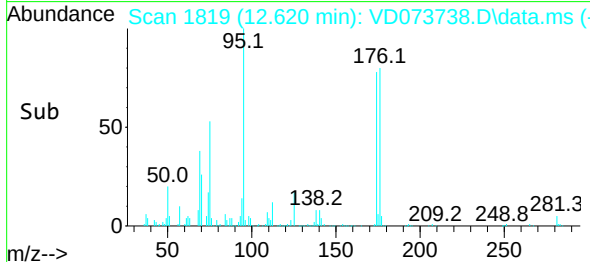
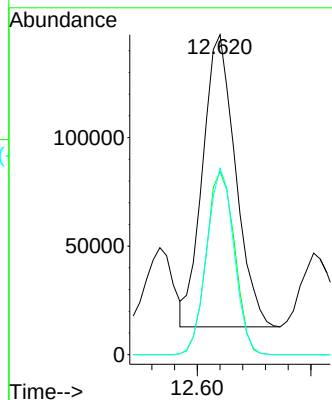
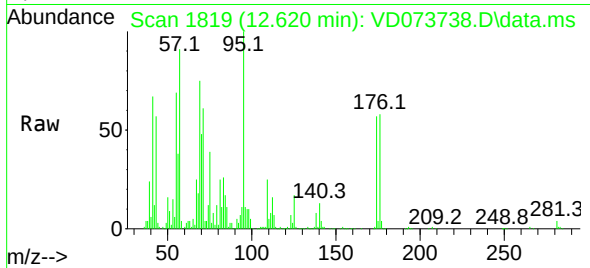




#62  
4-Bromofluorobenzene  
Concen: 70.942 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

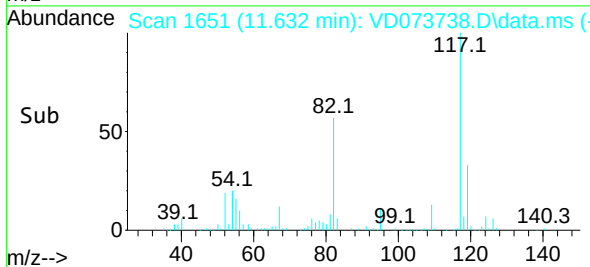
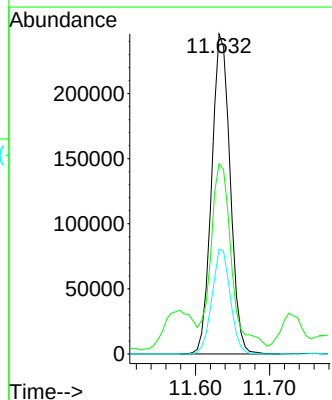
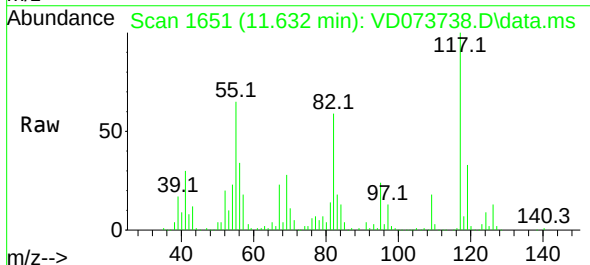
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

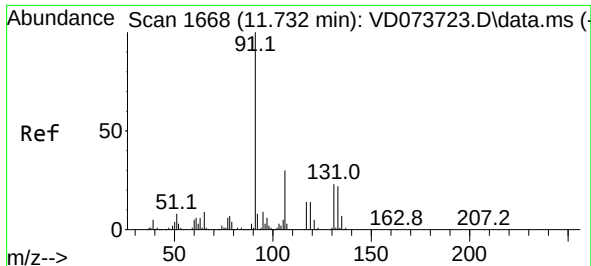
Tgt Ion: 95 Resp: 270047  
Ion Ratio Lower Upper  
95 100  
174 54.3 0.0 158.4  
176 53.4 0.0 154.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 117 Resp: 425966  
Ion Ratio Lower Upper  
117 100  
82 52.5 41.5 62.3  
119 32.8 27.1 40.7





#67

Ethyl Benzene

Concen: 2.123 ug/l

RT: 11.744 min Scan# 1670

Delta R.T. 0.012 min

Lab File: VD073738.D

Acq: 27 Jun 2022 23:21

Instrument :

MSVOA\_D

ClientSampleId :

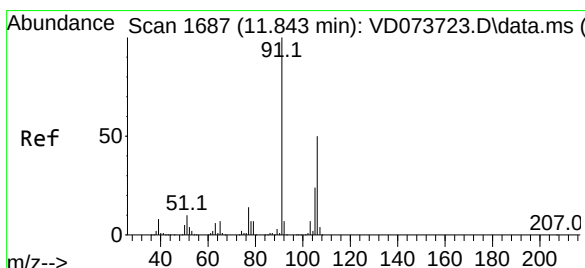
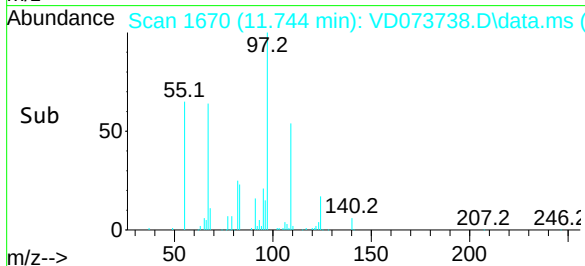
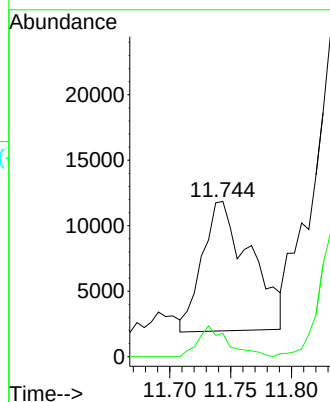
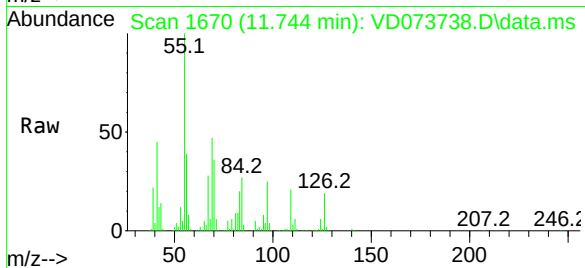
31535-SLUDGE

Tgt Ion: 91 Resp: 27293

Ion Ratio Lower Upper

91 100

106 19.6 23.5 35.3#



#68

m/p-Xylenes

Concen: 4.792 ug/l

RT: 11.844 min Scan# 1687

Delta R.T. 0.001 min

Lab File: VD073738.D

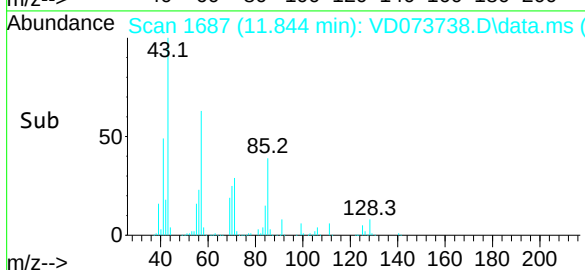
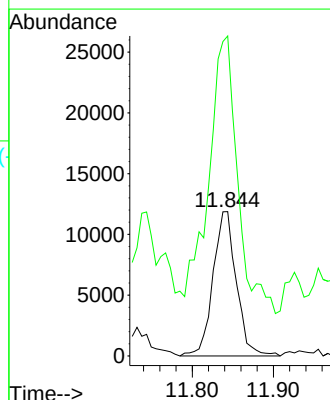
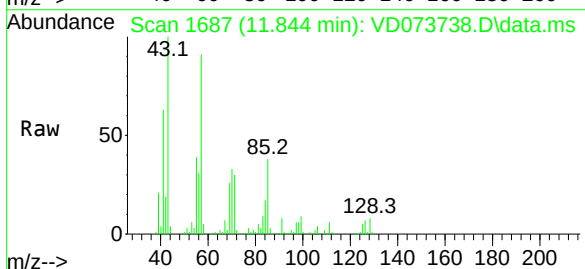
Acq: 27 Jun 2022 23:21

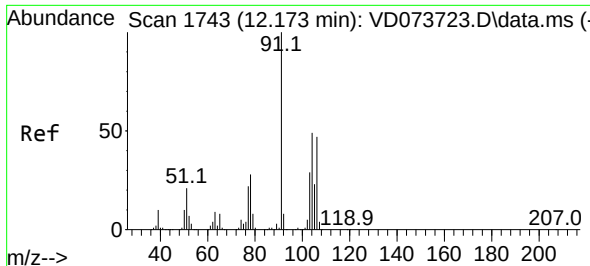
Tgt Ion: 106 Resp: 23739

Ion Ratio Lower Upper

106 100

91 257.7 161.4 242.2#

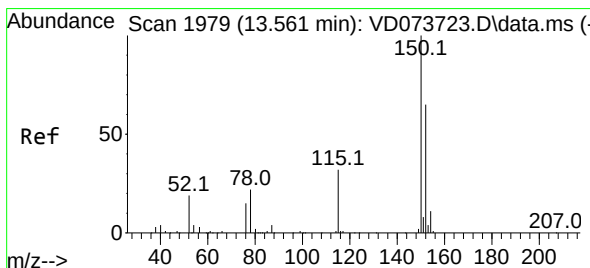
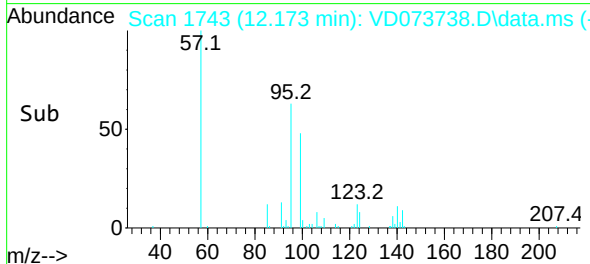
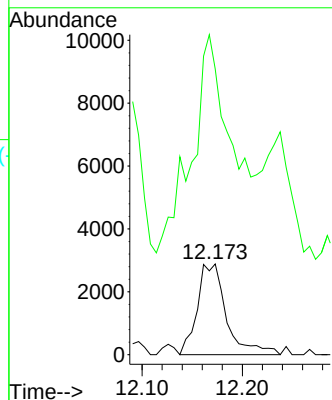
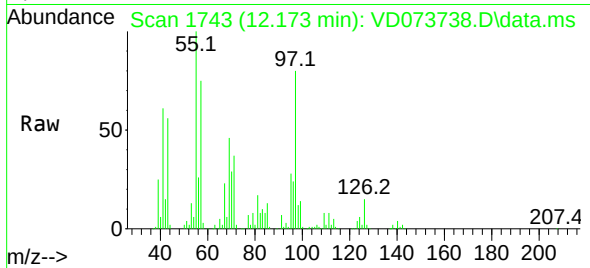




#69  
o-Xylene  
Concen: 1.248 ug/l  
RT: 12.173 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

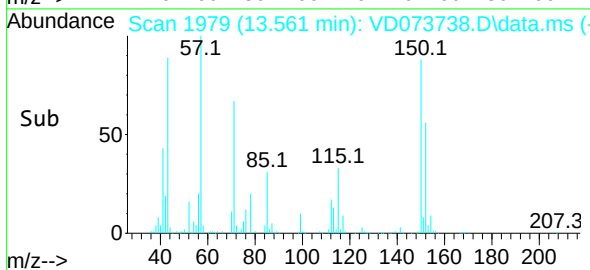
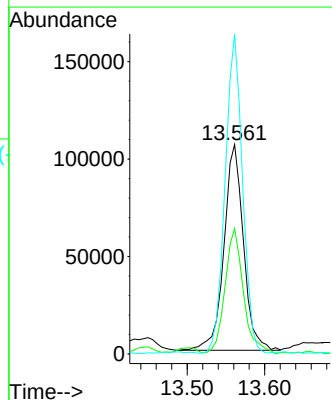
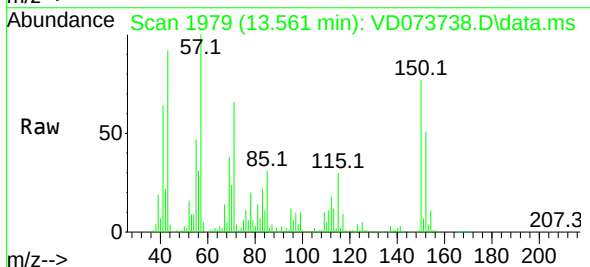
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

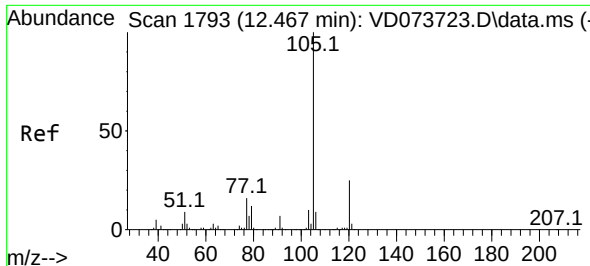
Tgt Ion:106 Resp: 5841  
Ion Ratio Lower Upper  
106 100  
91 319.6 107.6 322.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion:152 Resp: 185007  
Ion Ratio Lower Upper  
152 100  
115 56.4 30.6 91.6  
150 138.1 0.0 355.0

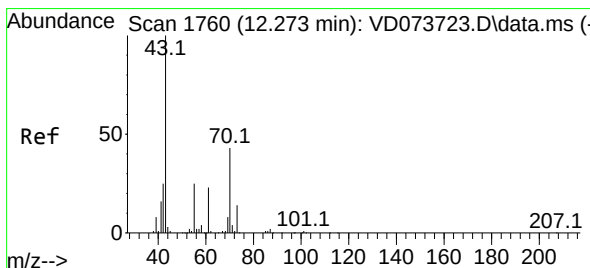
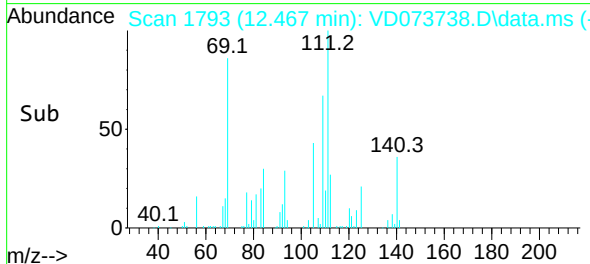
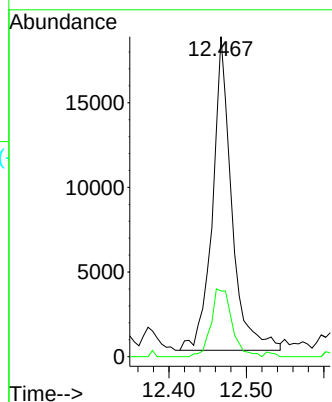
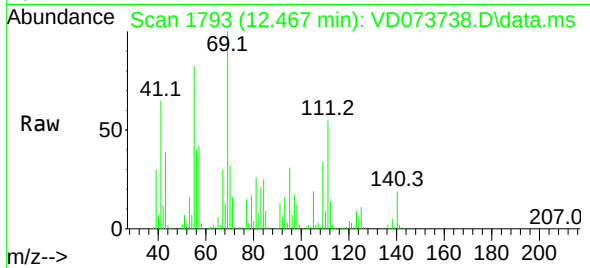




#73  
Isopropylbenzene  
Concen: 2.879 ug/l  
RT: 12.467 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

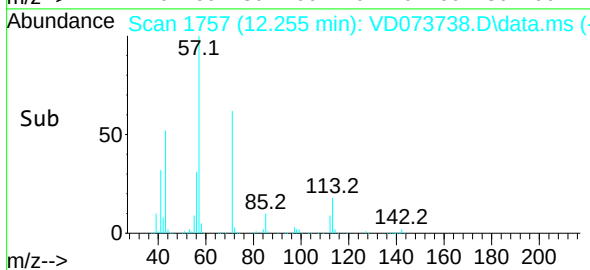
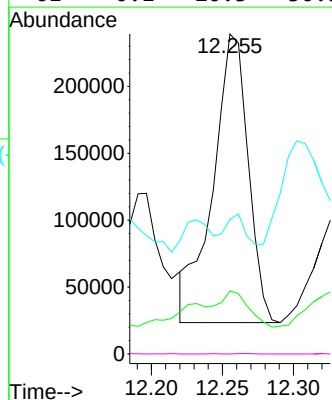
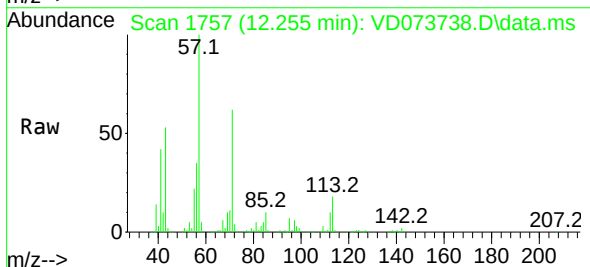
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

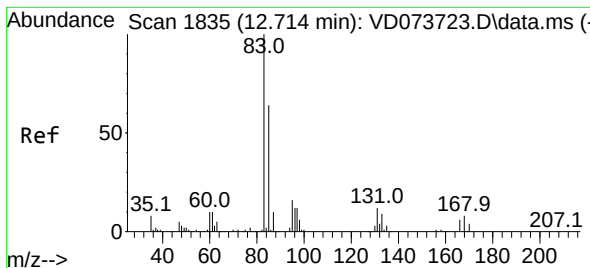
Tgt Ion:105 Resp: 31995  
Ion Ratio Lower Upper  
105 100  
120 23.5 13.2 39.6



#74  
N-ethyl acetate  
Concen: 151.924 ug/l  
RT: 12.255 min Scan# 1757  
Delta R.T. -0.018 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 43 Resp: 372285  
Ion Ratio Lower Upper  
43 100  
70 9.4 35.0 52.6#  
55 0.0 21.0 31.4#  
61 0.1 20.3 30.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 9.060 ug/l

RT: 12.702 min Scan# 1819

Delta R.T. -0.012 min

Lab File: VD073738.D

Acq: 27 Jun 2022 23:21

Instrument :

MSVOA\_D

ClientSampleId :

31535-SLUDGE

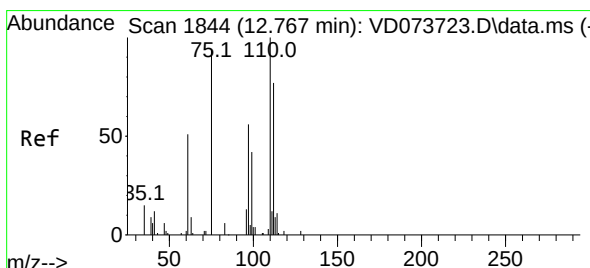
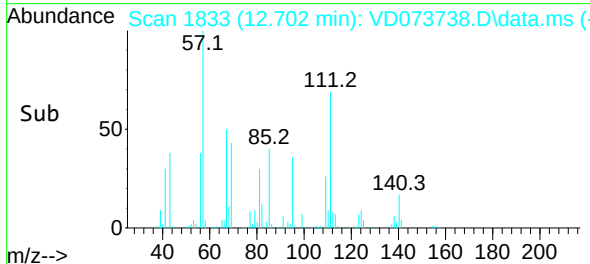
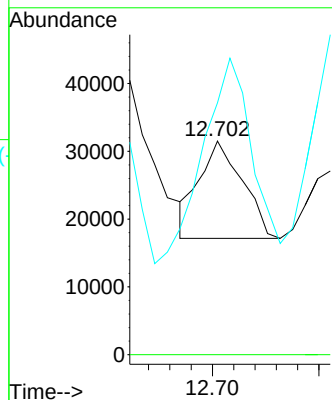
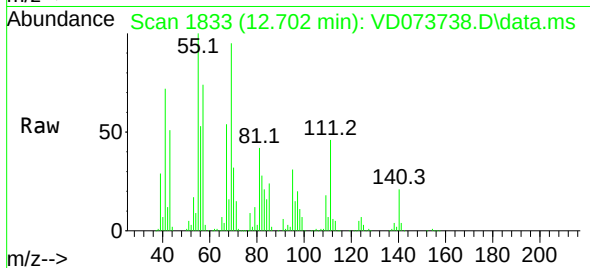
Tgt Ion: 83 Resp: 20300

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 271.4 32.3 96.9#



#76

1,2,3-Trichloropropane

Concen: 69.956 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073738.D

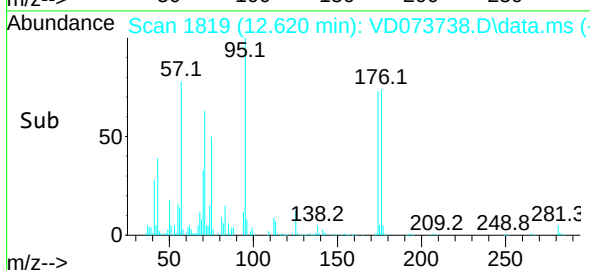
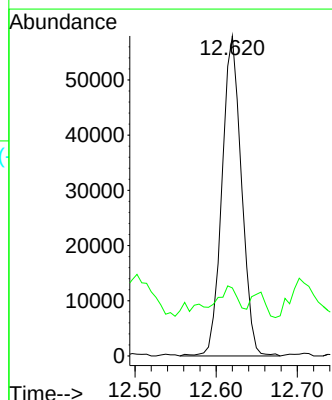
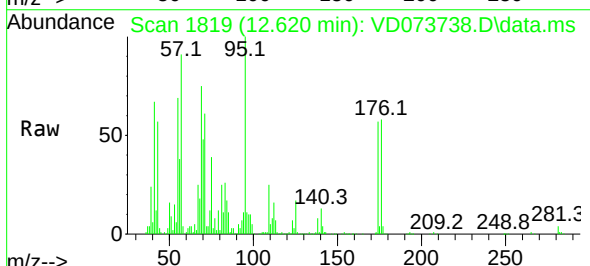
Acq: 27 Jun 2022 23:21

Tgt Ion: 75 Resp: 96829

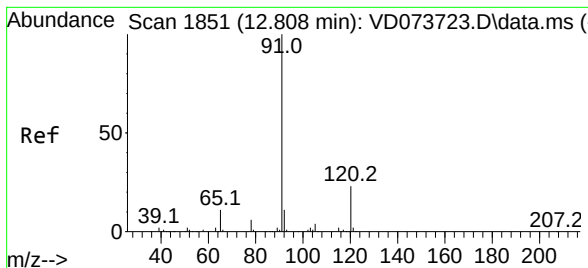
Ion Ratio Lower Upper

75 100

77 9.0 195.3 586.0#



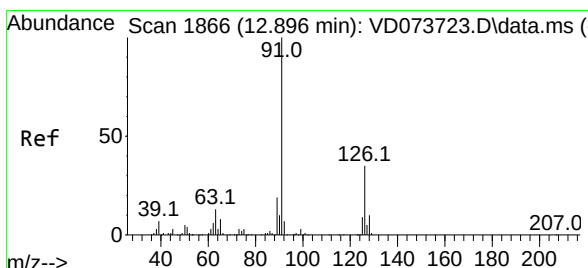
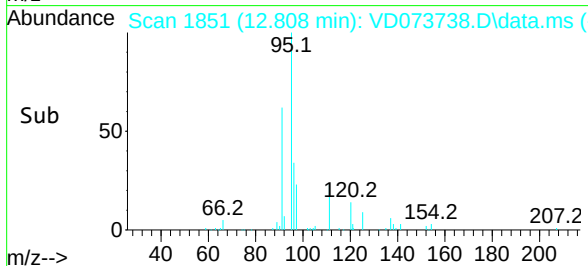
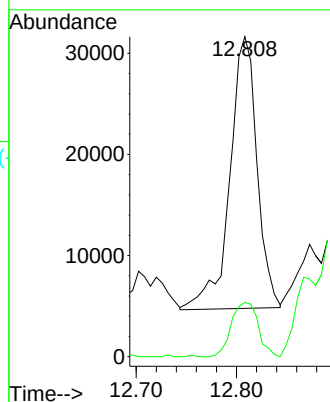
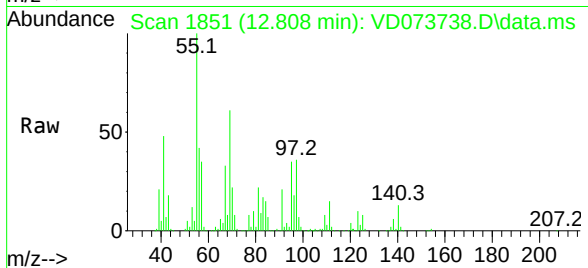




#78  
n-propylbenzene  
Concen: 3.665 ug/l  
RT: 12.808 min Scan# 1851  
Delta R.T. 0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

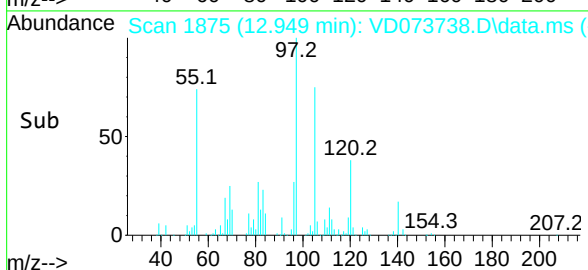
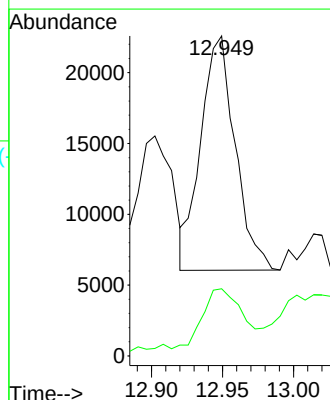
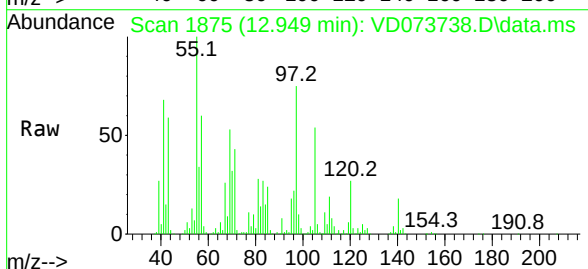
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

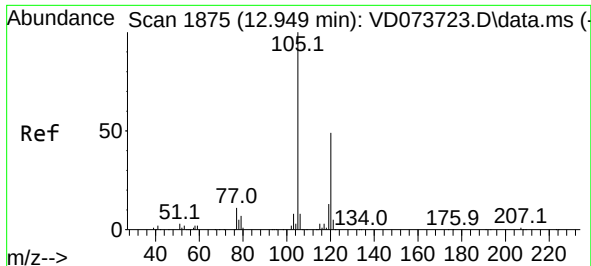
Tgt Ion: 91 Resp: 50646  
Ion Ratio Lower Upper  
91 100  
120 19.6 11.8 35.3



#79  
2-Chlorotoluene  
Concen: 3.425 ug/l  
RT: 12.949 min Scan# 1875  
Delta R.T. 0.053 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 91 Resp: 27834  
Ion Ratio Lower Upper  
91 100  
126 29.2 17.4 52.3

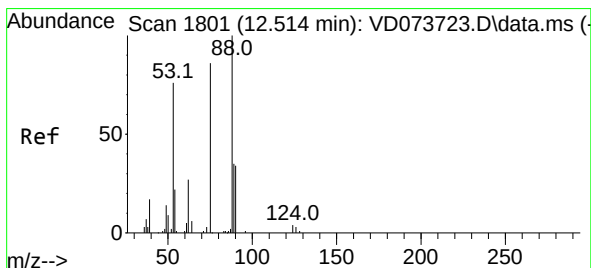
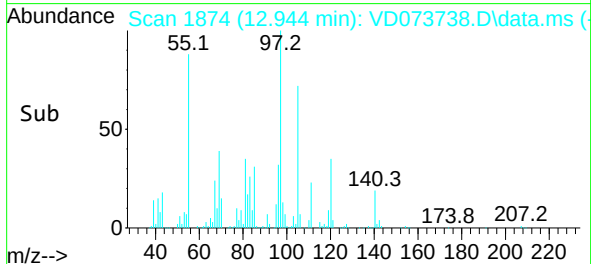
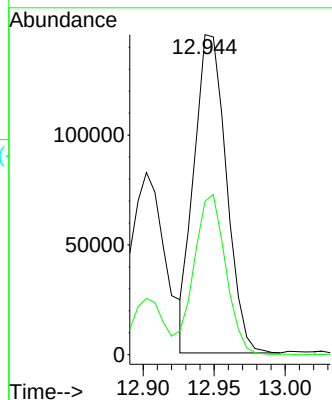
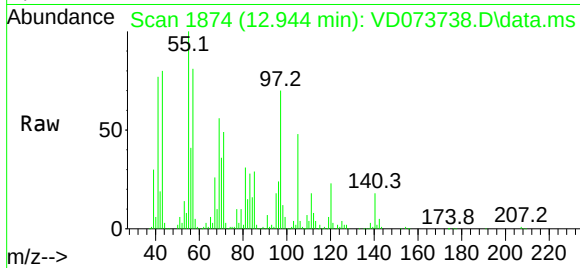




#80  
1,3,5-Trimethylbenzene  
Concen: 23.728 ug/l  
RT: 12.944 min Scan# 1875  
Delta R.T. -0.005 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

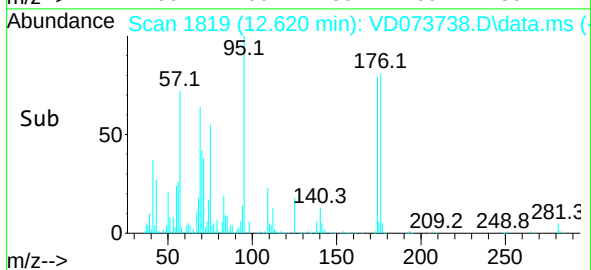
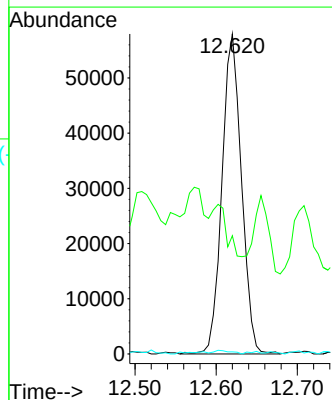
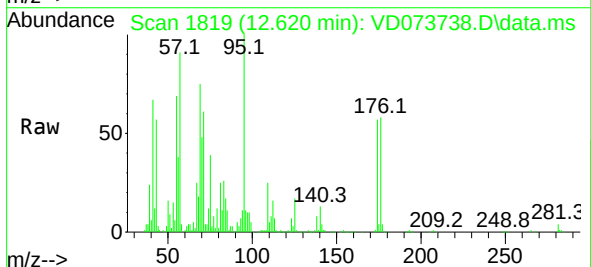
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

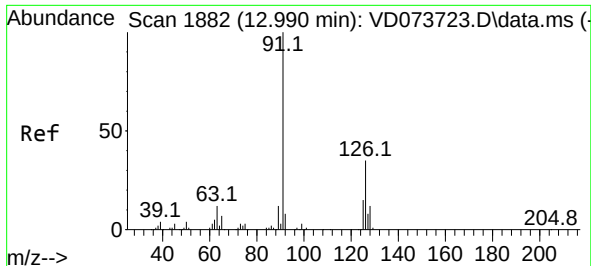
Tgt Ion:105 Resp: 228458  
Ion Ratio Lower Upper  
105 100  
120 49.9 24.5 73.5



#81  
trans-1,4-Dichloro-2-butene  
Concen: 142.485 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 75 Resp: 96829  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.0 115.6#  
89 1.0 37.8 56.8#

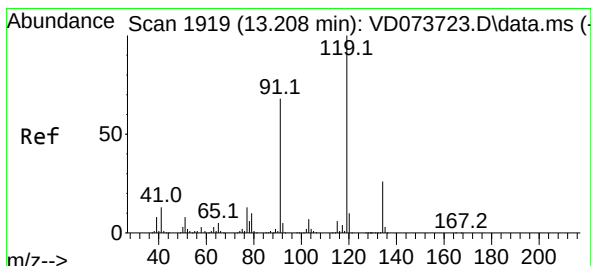
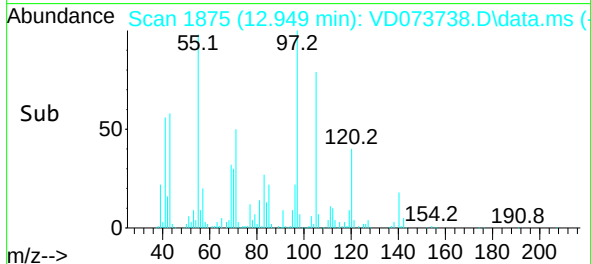
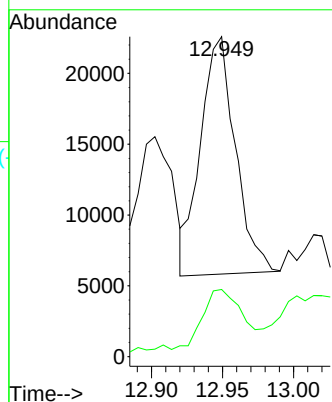
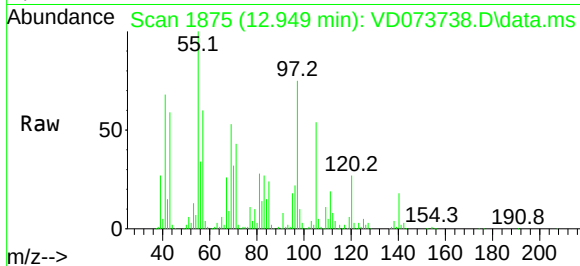




#82  
4-Chlorotoluene  
Concen: 3.351 ug/l  
RT: 12.949 min Scan# 1875  
Delta R.T. -0.041 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

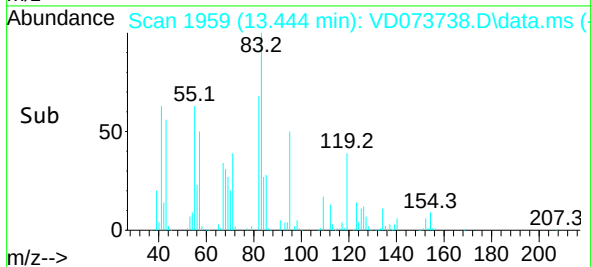
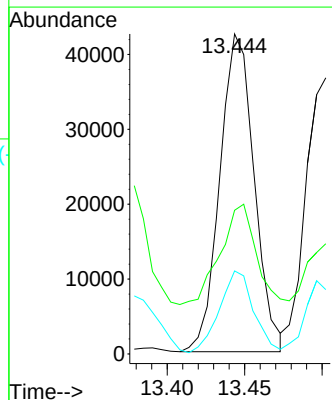
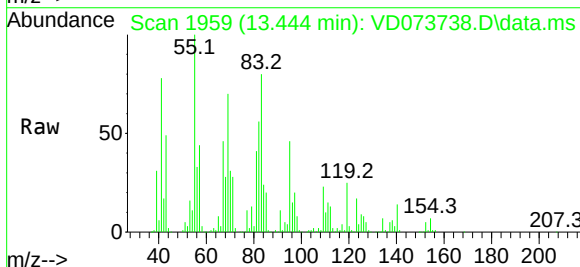
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

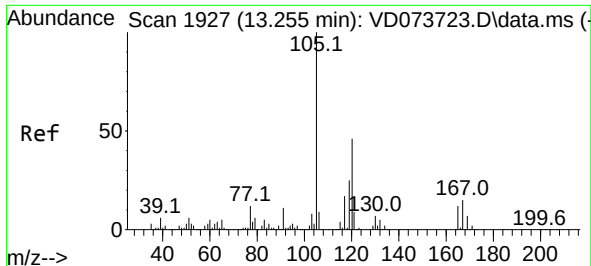
Tgt Ion: 91 Resp: 28647  
Ion Ratio Lower Upper  
91 100  
126 28.4 16.8 50.4



#83  
tert-Butylbenzene  
Concen: 7.885 ug/l  
RT: 13.444 min Scan# 1959  
Delta R.T. 0.236 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 119 Resp: 65571  
Ion Ratio Lower Upper  
119 100  
91 32.8 32.1 96.5  
134 25.6 12.4 37.4

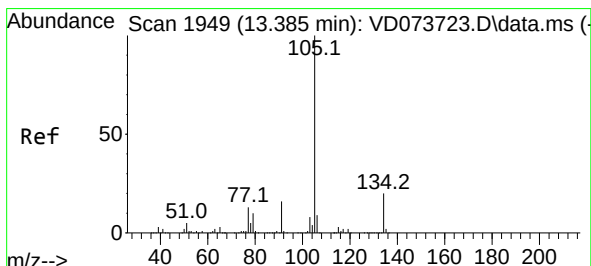
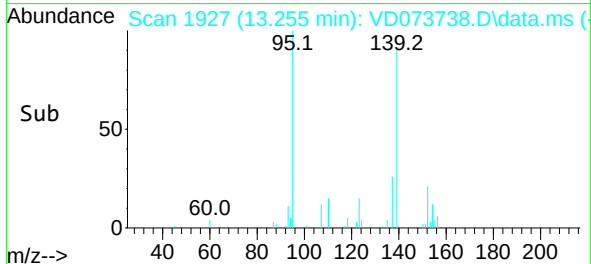
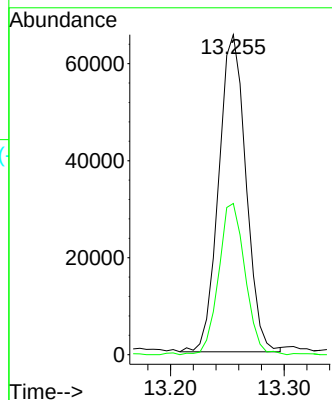
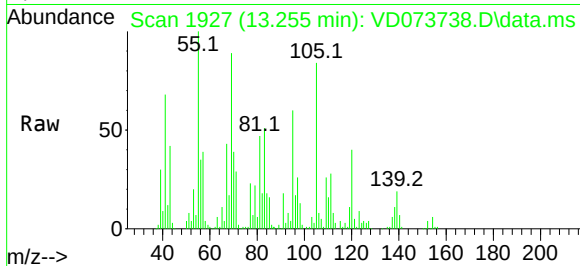




#84  
1,2,4-Trimethylbenzene  
Concen: 11.427 ug/l  
RT: 13.255 min Scan# 1927  
Delta R.T. 0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

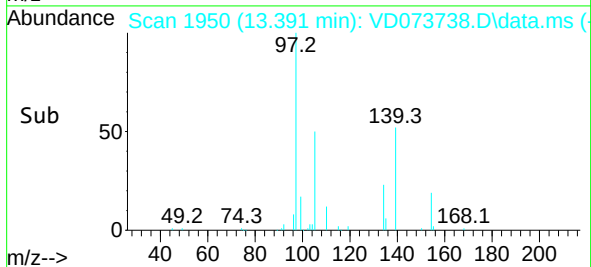
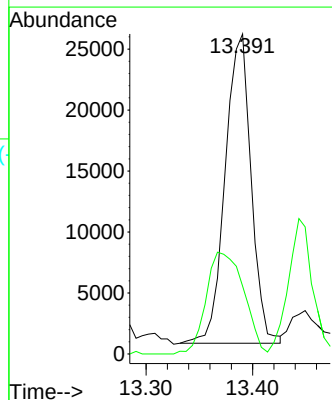
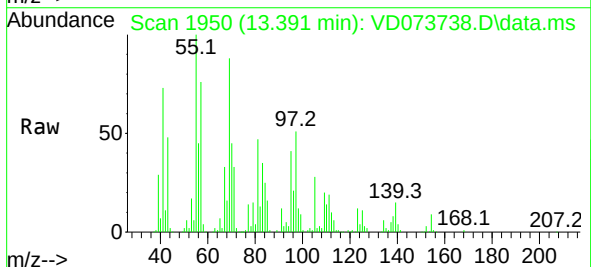
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

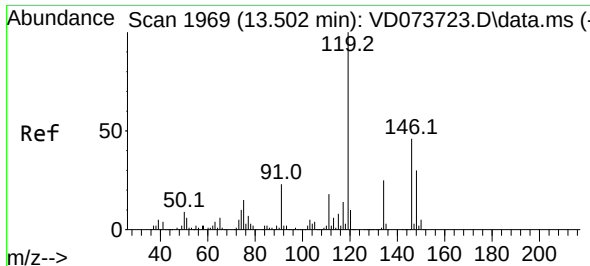
Tgt Ion:105 Resp: 108779  
Ion Ratio Lower Upper  
105 100  
120 46.3 22.6 67.8



#85  
sec-Butylbenzene  
Concen: 3.426 ug/l  
RT: 13.391 min Scan# 1950  
Delta R.T. 0.006 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion:105 Resp: 42882  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.4 31.2#

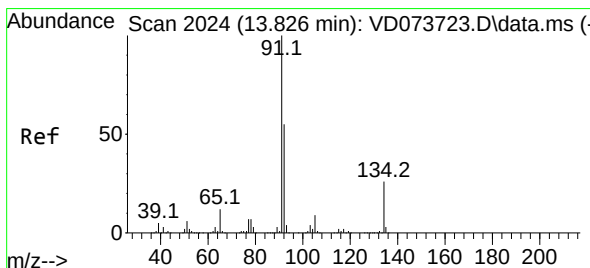
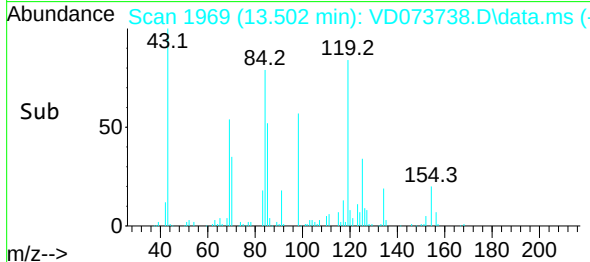
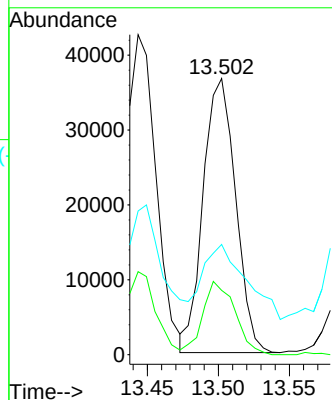
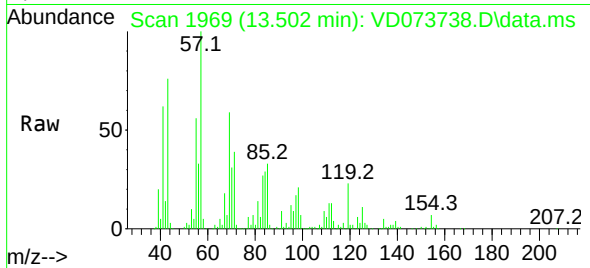




#86  
p-Isopropyltoluene  
Concen: 5.630 ug/l  
RT: 13.502 min Scan# 1969  
Delta R.T. 0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

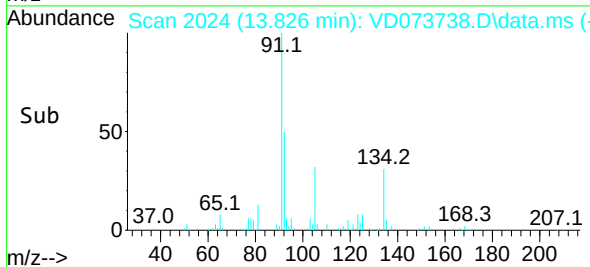
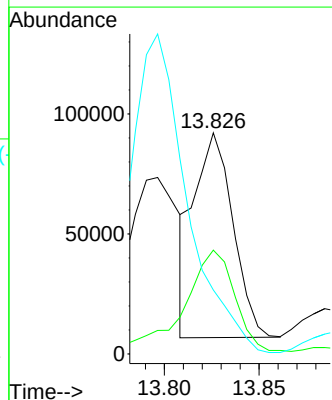
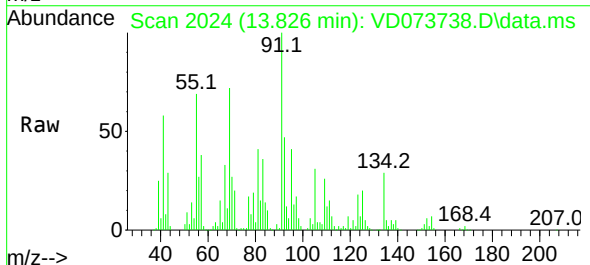
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

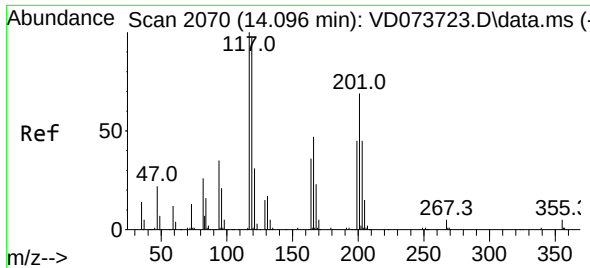
Tgt Ion:119 Resp: 58153  
Ion Ratio Lower Upper  
119 100  
134 26.7 13.0 39.0  
91 32.3 12.1 36.3



#89  
n-Butylbenzene  
Concen: 12.482 ug/l  
RT: 13.826 min Scan# 2024  
Delta R.T. -0.000 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 91 Resp: 121113  
Ion Ratio Lower Upper  
91 100  
92 64.0 26.4 79.2  
134 0.0 12.7 38.0#

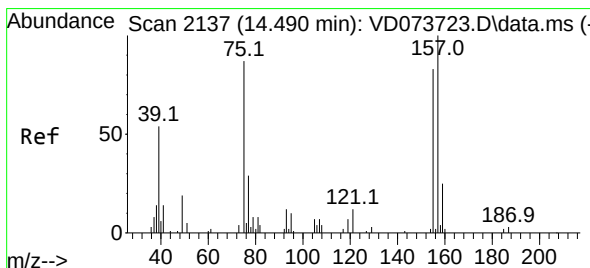
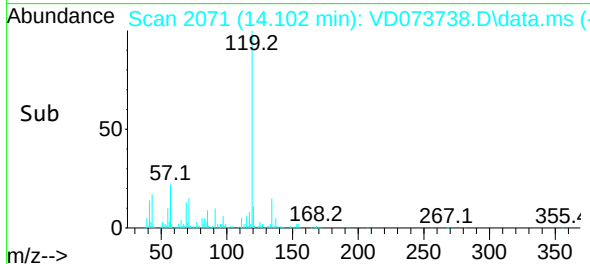
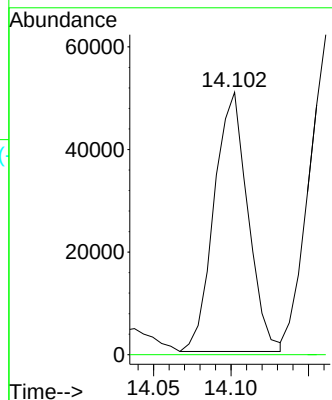
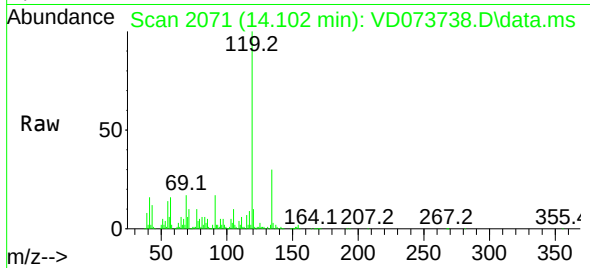




#90  
Hexachloroethane  
Concen: 35.127 ug/l  
RT: 14.102 min Scan# 2070  
Delta R.T. 0.006 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

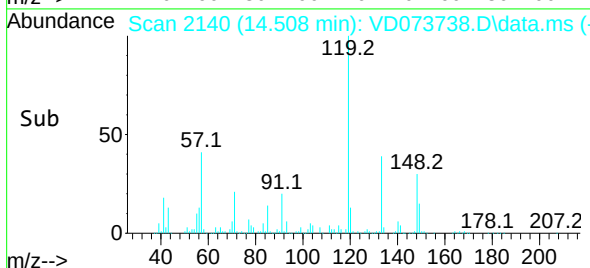
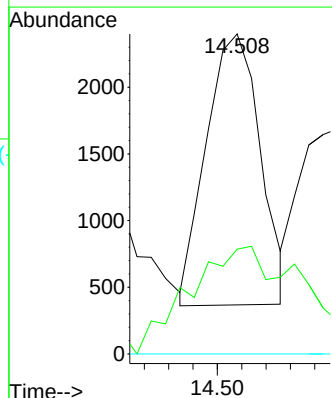
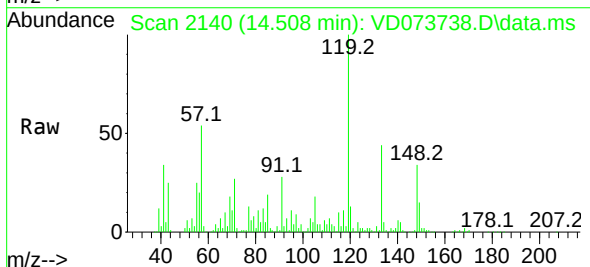
Instrument :  
MSVOA\_D  
ClientSampleId :  
31535-SLUDGE

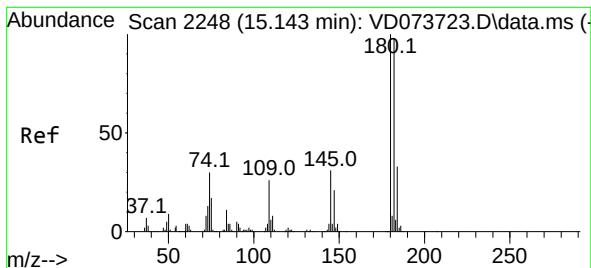
Tgt Ion:117 Resp: 76784  
Ion Ratio Lower Upper  
117 100  
201 0.0 33.8 101.4#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 8.477 ug/l  
RT: 14.508 min Scan# 2140  
Delta R.T. 0.018 min  
Lab File: VD073738.D  
Acq: 27 Jun 2022 23:21

Tgt Ion: 75 Resp: 3133  
Ion Ratio Lower Upper  
75 100  
155 81.7 41.2 123.6  
157 0.0 55.5 166.5#





#93

1,2,4-Trichlorobenzene

Concen: 1.370 ug/l

RT: 15.161 min Scan# 2251

Delta R.T. 0.018 min

Lab File: VD073738.D

Acq: 27 Jun 2022 23:21

Instrument :

MSVOA\_D

ClientSampleId :

31535-SLUDGE

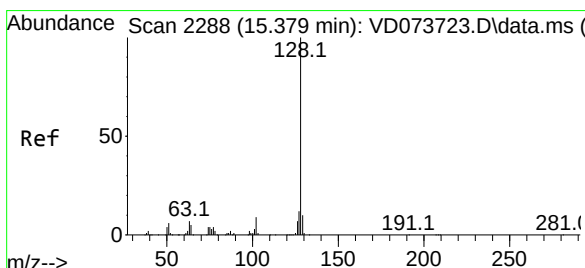
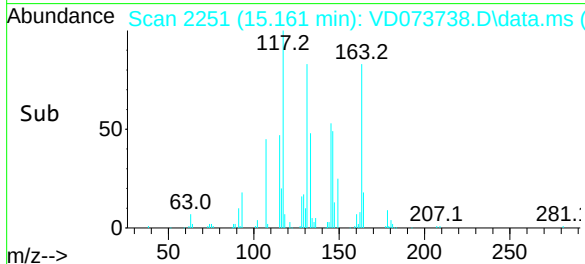
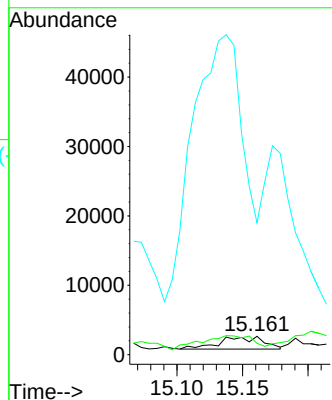
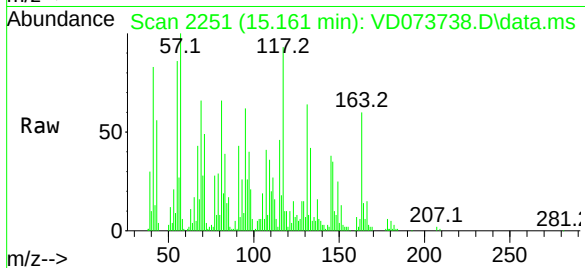
Tgt Ion:180 Resp: 4149

Ion Ratio Lower Upper

180 100

182 0.0 48.0 144.0#

145 1358.5 16.2 48.5#



#95

Naphthalene

Concen: 9.358 ug/l

RT: 15.379 min Scan# 2288

Delta R.T. -0.000 min

Lab File: VD073738.D

Acq: 27 Jun 2022 23:21

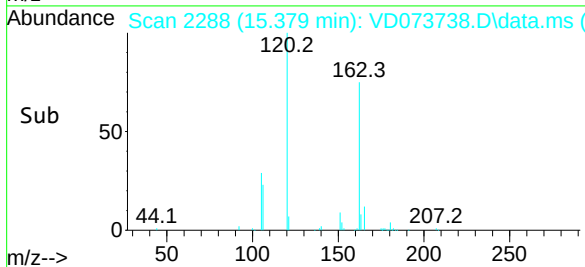
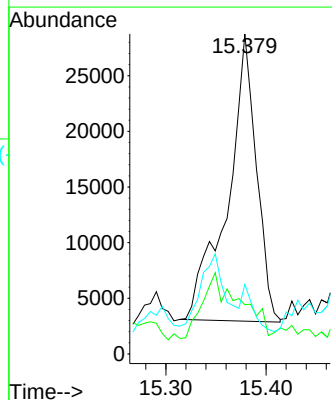
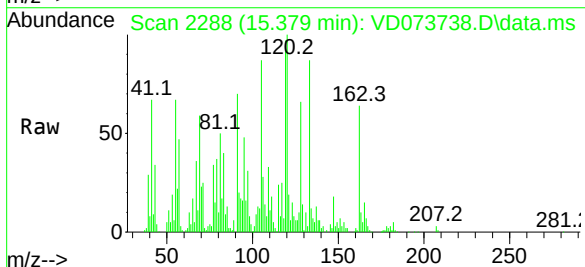
Tgt Ion:128 Resp: 51756

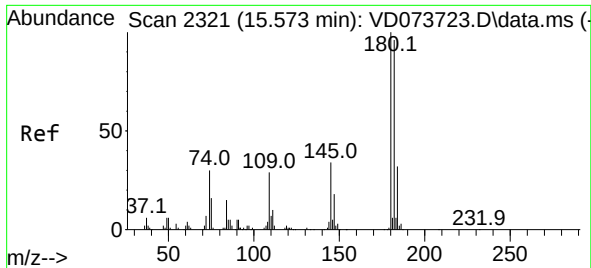
Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 6.1 8.9 13.3#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.899 ug/l  
 RT: 15.538 min Scan# 21  
 Delta R.T. -0.036 min  
 Lab File: VD073738.D  
 Acq: 27 Jun 2022 23:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 31535-SLUDGE

Tgt Ion:180 Resp: 7738  
 Ion Ratio Lower Upper  
 180 100  
 182 15.9 49.0 147.0#  
 145 1098.4 17.6 52.8#

