

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031521\  
 Data File : VX021212.D  
 Acq On : 15 Mar 2021 20:04  
 Operator : JC/MD  
 Sample : M1639-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STOCKPILE

Quant Time: Mar 16 03:06:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 15 11:55:59 2021  
 Response via : Initial Calibration

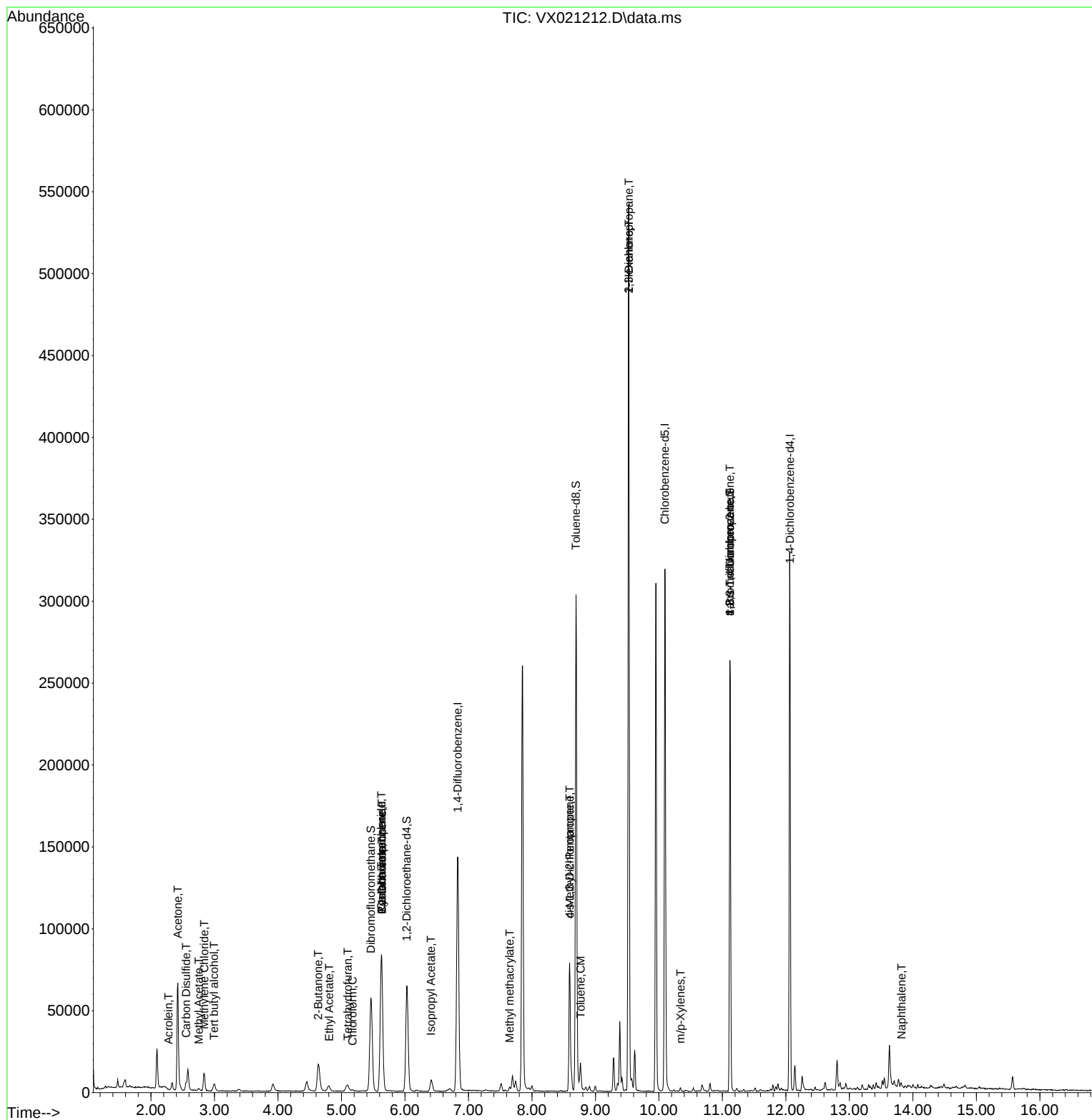
| Compound                      | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                         |                |      |                    |        |        |          |
| Internal Standards            |                |      |                    |        |        |          |
| 1) Pentafluorobenzene         | 5.635          | 168  | 71801              | 50.00  | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.829          | 114  | 133532             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.094         | 117  | 131080             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.065         | 152  | 61361              | 50.00  | ug/l   | 0.00     |
|                               |                |      |                    |        |        |          |
| System Monitoring Compounds   |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.029          | 65   | 63466              | 51.84  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 103.68% |        |        |          |
| 35) Dibromofluoromethane      | 5.464          | 113  | 47039              | 51.20  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 102.40% |        |        |          |
| 50) Toluene-d8                | 8.694          | 98   | 169948             | 51.49  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 102.98% |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.118         | 95   | 69454              | 55.22  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 110.44% |        |        |          |
|                               |                |      |                    |        |        |          |
| Target Compounds              |                |      |                    |        | Qvalue |          |
| 11) Tert butyl alcohol        | 2.993          | 59   | 3078               | 14.43  | ug/l # | 75       |
| 13) Acrolein                  | 2.276          | 56   | 92                 | 0.70   | ug/l # | 14       |
| 16) Acetone                   | 2.423          | 43   | 68615              | 139.42 | ug/l   | 89       |
| 17) Carbon Disulfide          | 2.552          | 76   | 5320               | 2.33   | ug/l # | 92       |
| 18) Methyl Acetate            | 2.752          | 43   | 1584               | 1.33   | ug/l # | 87       |
| 20) Methylene Chloride        | 2.840          | 84   | 4582               | 4.93   | ug/l # | 89       |
| 25) 2-Butanone                | 4.635          | 43   | 27242              | 38.48  | ug/l   | 90       |
| 29) Tetrahydrofuran           | 5.100          | 42   | 877                | 1.92   | ug/l # | 58       |
| 30) Chloroform                | 5.176          | 83   | 608                | 0.35   | ug/l # | 75       |
| 31) Cyclohexane               | 5.635          | 56   | 2096               | 1.35   | ug/l # | 28       |
| 36) 1,1-Dichloropropene       | 5.635          | 75   | 6930               | 4.95   | ug/l # | 49       |
| 37) Ethyl Acetate             | 4.805          | 43   | 5520               | 3.58   | ug/l # | 96       |
| 38) Carbon Tetrachloride      | 5.629          | 117  | 8003               | 5.21   | ug/l # | 16       |
| 43) Isopropyl Acetate         | 6.412          | 43   | 8500               | 3.29   | ug/l # | 89       |
| 48) Methyl methacrylate       | 7.647          | 41   | 3364               | 2.53   | ug/l # | 19       |
| 51) 4-Methyl-2-Pentanone      | 8.594          | 43   | 32734              | 22.20  | ug/l # | 32       |
| 52) Toluene                   | 8.765          | 92   | 4165               | 1.77   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 8.594          | 75   | 11599              | 6.81   | ug/l # | 73       |
| 57) 1,3-Dichloropropane       | 9.524          | 76   | 4243               | 2.52   | ug/l # | 42       |
| 59) 2-Hexanone                | 9.524          | 43   | 65271              | 58.82  | ug/l # | 42       |
| 68) m/p-Xylenes               | 10.341         | 106  | 460                | 0.25   | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane    | 11.118         | 75   | 39354              | 25.87  | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.118         | 75   | 39354              | 73.41  | ug/l # | 12       |
| 95) Naphthalene               | 13.818         | 128  | 1430               | 1.77   | ug/l # | 96       |
| -----                         |                |      |                    |        |        |          |

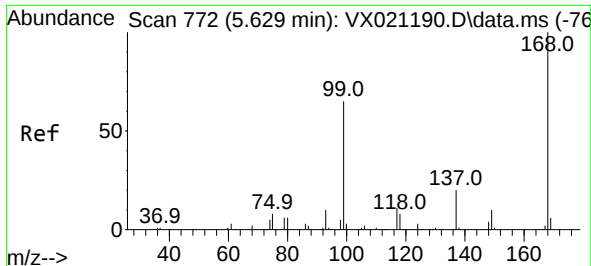
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031521\  
Data File : VX021212.D  
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ALS Vial : 27 Sample Multiplier: 1

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ClientSampleId :  
STOCKPILE

Quant Time: Mar 16 03:06:06 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 15 11:55:59 2021  
Response via : Initial Calibration

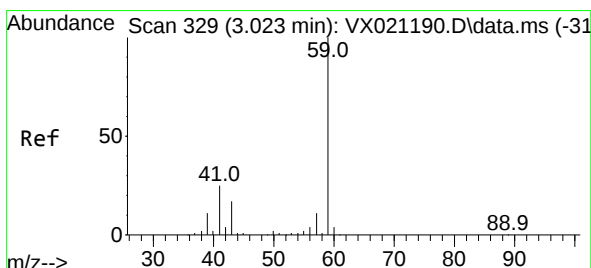
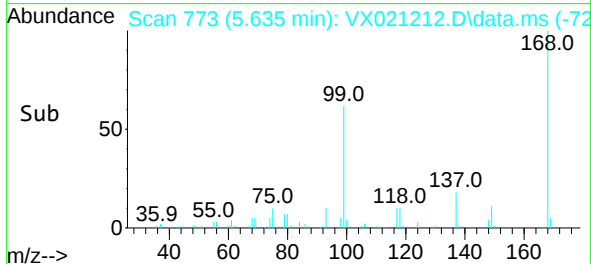
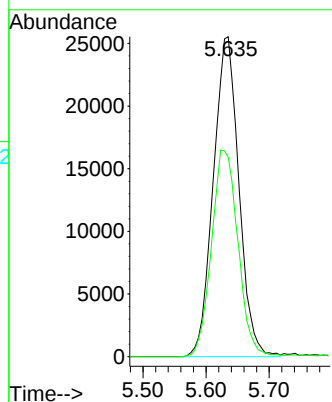
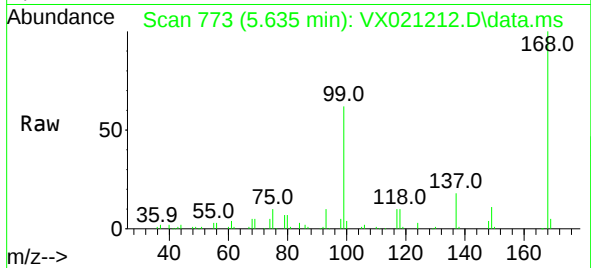




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.635 min Scan# 773  
Delta R.T. 0.012 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

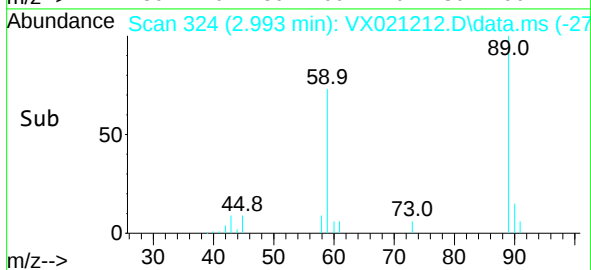
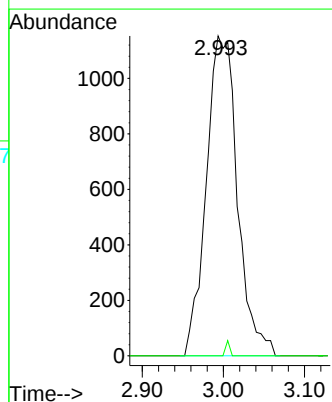
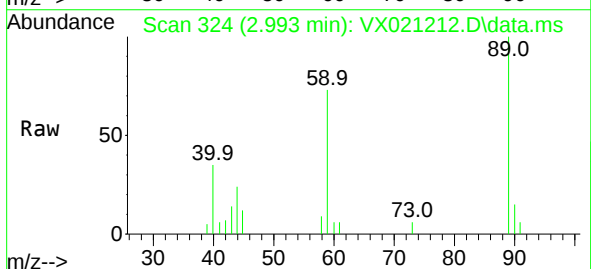
Instrument :  
MSVOA\_X  
ClientSampleId :  
STOCKPILE

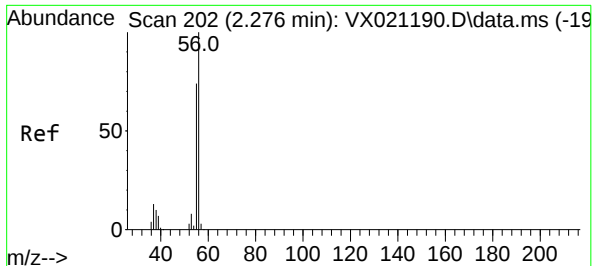
Tgt Ion:168 Resp: 71801  
Ion Ratio Lower Upper  
168 100  
99 62.4 45.8 68.6



#11  
Tert butyl alcohol  
Concen: 14.43 ug/l  
RT: 2.993 min Scan# 324  
Delta R.T. -0.023 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

Tgt Ion: 59 Resp: 3078  
Ion Ratio Lower Upper  
59 100  
57 0.6 7.8 11.8#

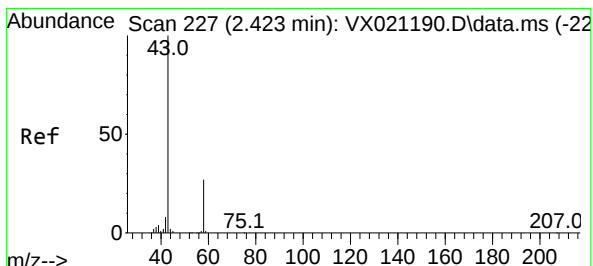
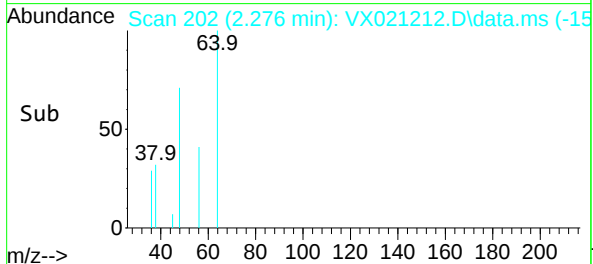
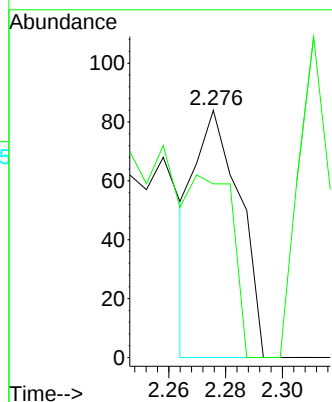
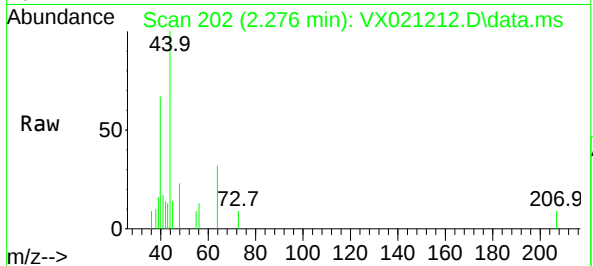




#13  
Acrolein  
Concen: 0.70 ug/l  
RT: 2.276 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

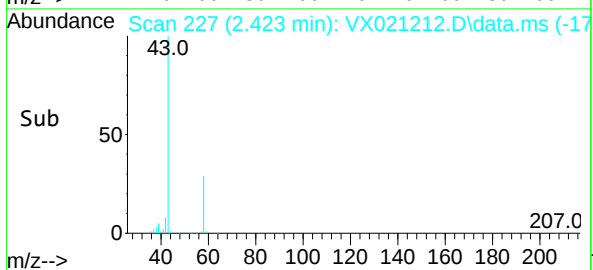
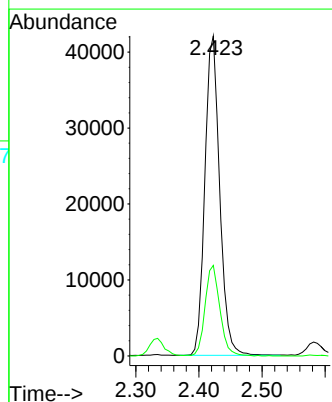
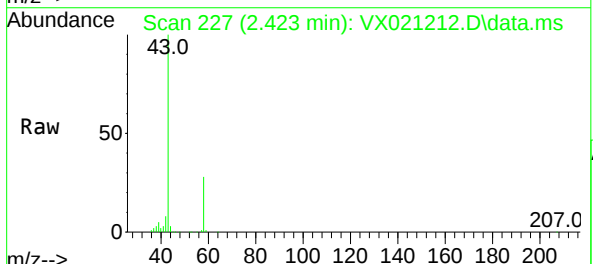
Instrument :  
MSVOA\_X  
ClientSampleId :  
STOCKPILE

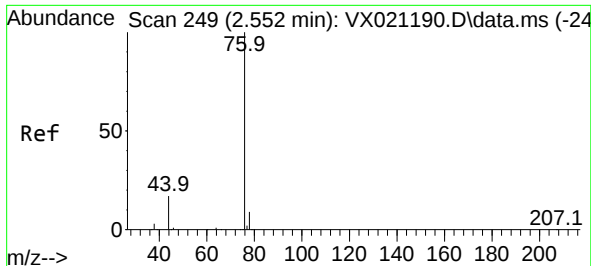
Tgt Ion: 56 Resp: 92  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#



#16  
Acetone  
Concen: 139.42 ug/l  
RT: 2.423 min Scan# 227  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

Tgt Ion: 43 Resp: 68615  
Ion Ratio Lower Upper  
43 100  
58 28.3 27.8 41.8

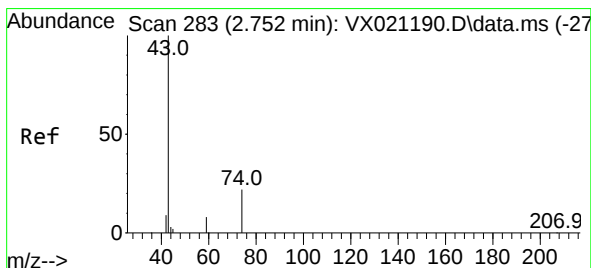
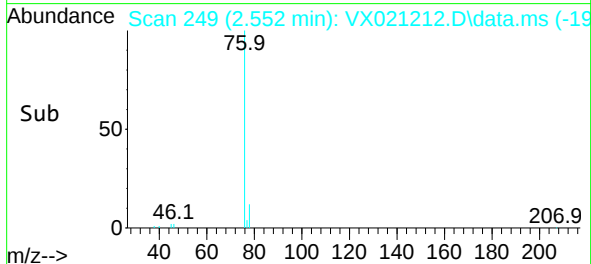
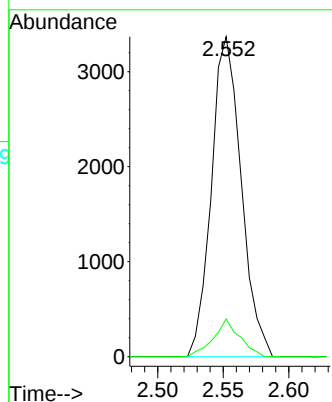
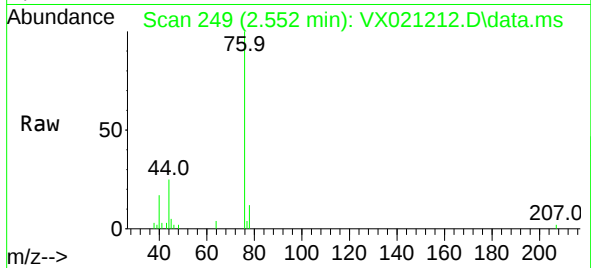




#17  
Carbon Disulfide  
Concen: 2.33 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. 0.006 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

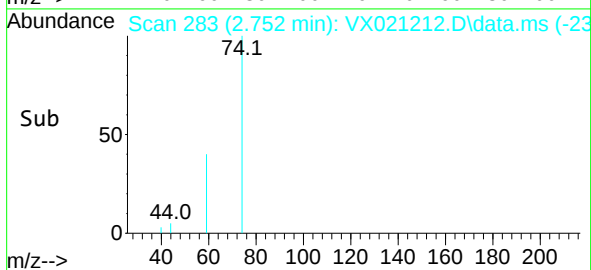
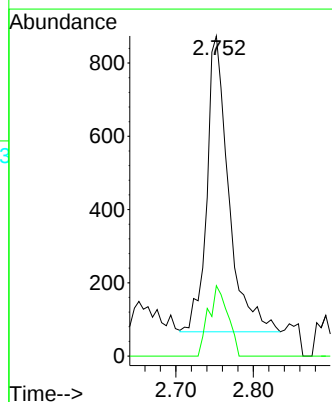
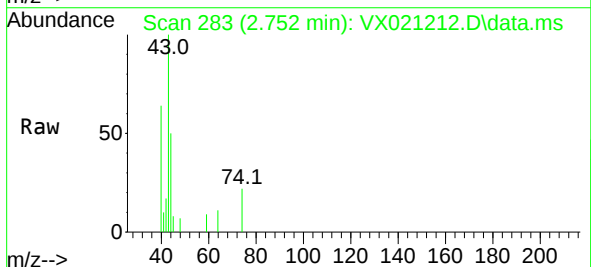
Instrument :  
MSVOA\_X  
ClientSampleId :  
STOCKPILE

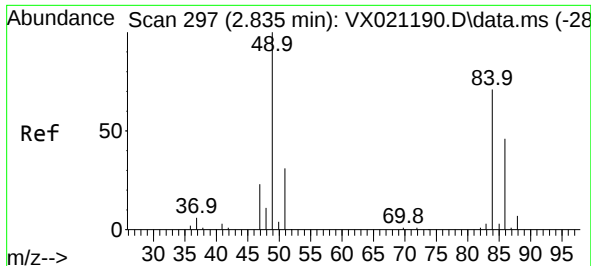
Tgt Ion: 76 Resp: 5320  
Ion Ratio Lower Upper  
76 100  
78 11.8 7.2 10.8#



#18  
Methyl Acetate  
Concen: 1.33 ug/l  
RT: 2.752 min Scan# 283  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

Tgt Ion: 43 Resp: 1584  
Ion Ratio Lower Upper  
43 100  
74 20.8 21.9 32.9#





#20

Methylene Chloride

Concen: 4.93 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

Lab File: VX021212.D

Acq: 15 Mar 2021 20:04

Tgt Ion: 84 Resp: 4582

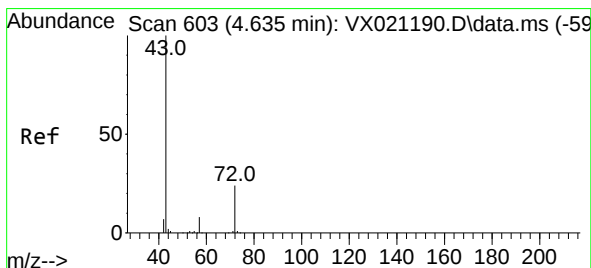
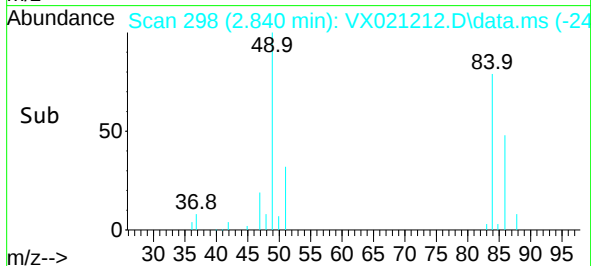
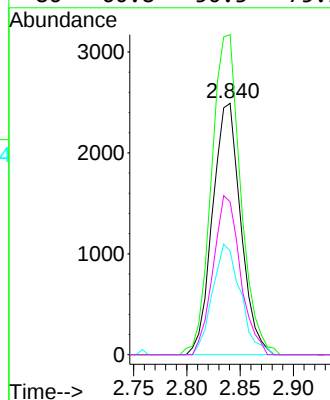
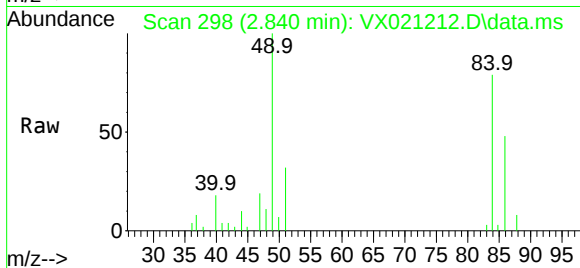
Ion Ratio Lower Upper

84 100

49 127.3 88.6 132.8

51 41.3 27.0 40.6#

86 60.8 50.3 75.5



#25

2-Butanone

Concen: 38.48 ug/l

RT: 4.635 min Scan# 603

Delta R.T. 0.000 min

Lab File: VX021212.D

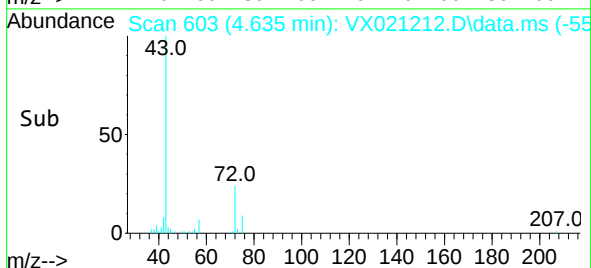
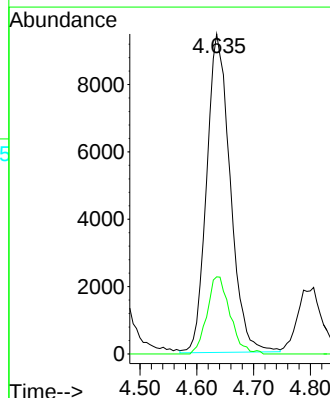
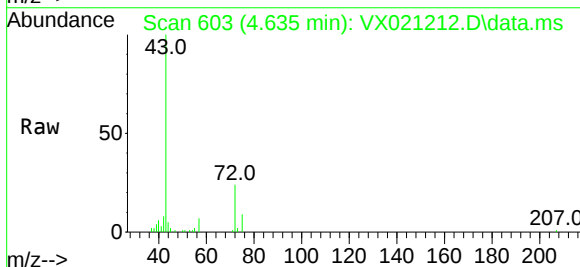
Acq: 15 Mar 2021 20:04

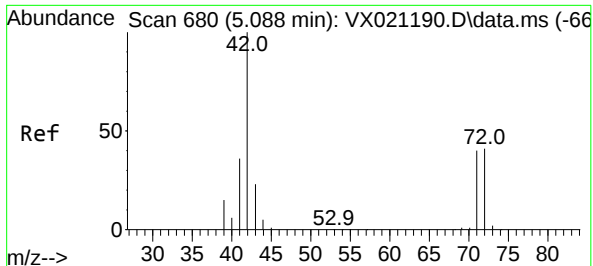
Tgt Ion: 43 Resp: 27242

Ion Ratio Lower Upper

43 100

72 24.3 23.7 35.5





#29

Tetrahydrofuran

Concen: 1.92 ug/l

RT: 5.100 min Scan# 682

Delta R.T. 0.012 min

Lab File: VX021212.D

Acq: 15 Mar 2021 20:04

Instrument :

MSVOA\_X

ClientSampleId :

STOCKPILE

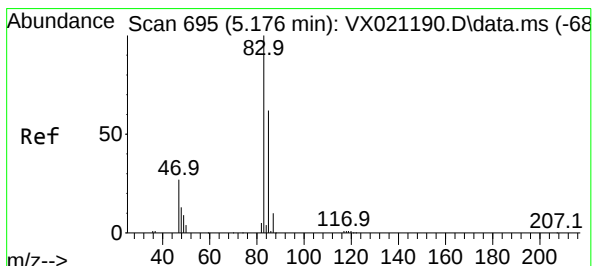
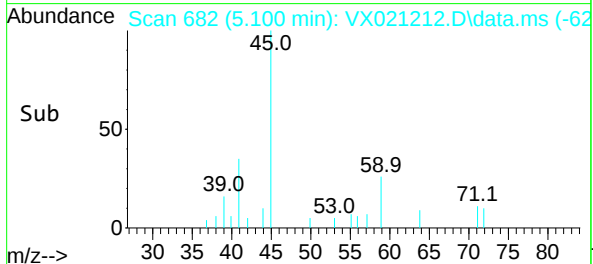
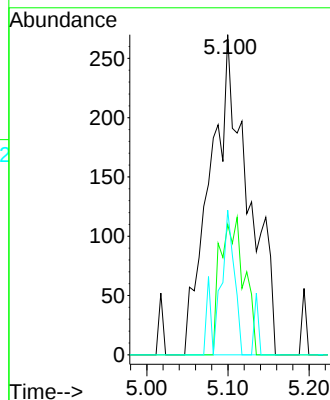
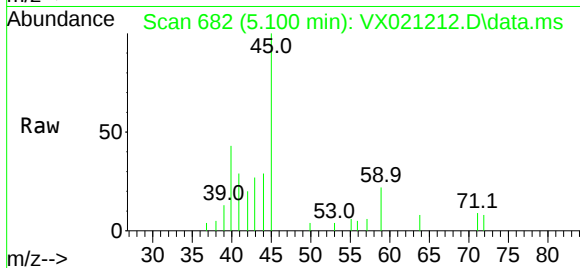
Tgt Ion: 42 Resp: 877

Ion Ratio Lower Upper

42 100

72 27.1 41.7 62.5#

71 14.9 38.4 57.6#



#30

Chloroform

Concen: 0.35 ug/l

RT: 5.176 min Scan# 695

Delta R.T. 0.000 min

Lab File: VX021212.D

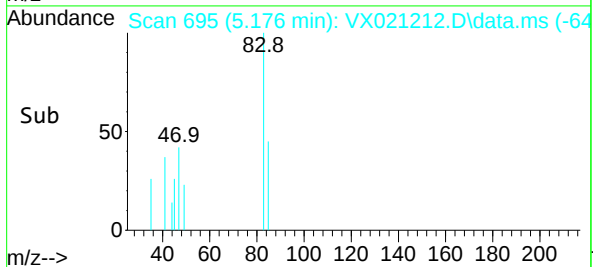
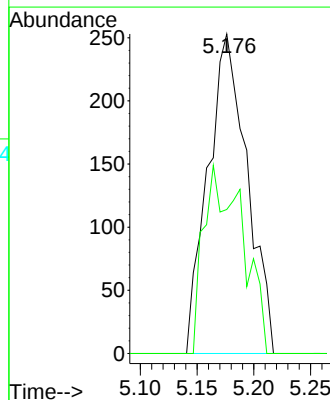
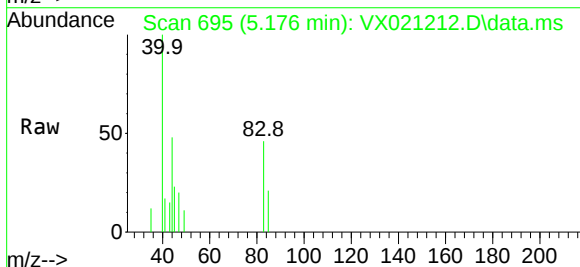
Acq: 15 Mar 2021 20:04

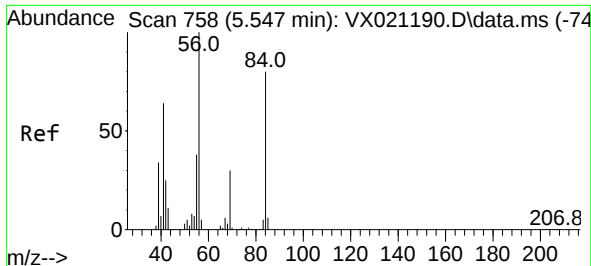
Tgt Ion: 83 Resp: 608

Ion Ratio Lower Upper

83 100

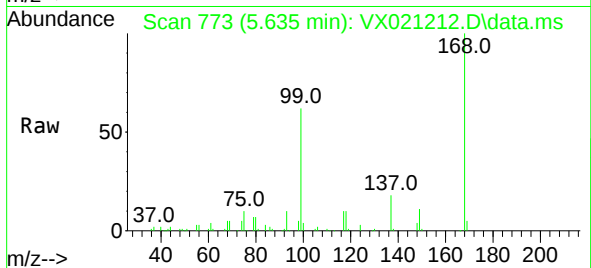
85 45.1 52.0 78.0#



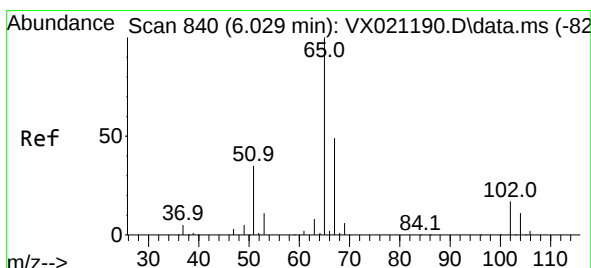
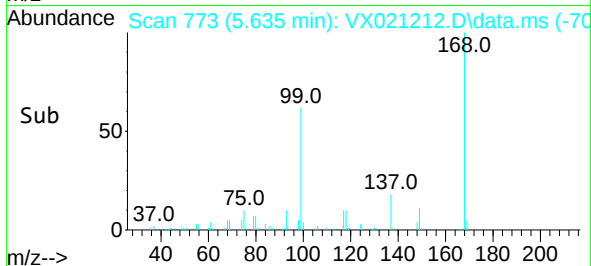
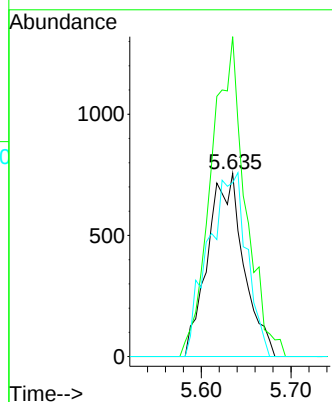


#31  
Cyclohexane  
Concen: 1.35 ug/l  
RT: 5.635 min Scan# 773  
Delta R.T. 0.088 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

Instrument :  
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ClientSampleId :  
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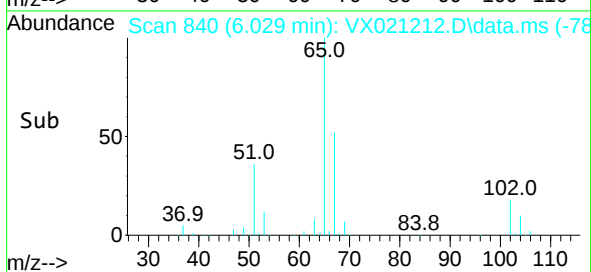
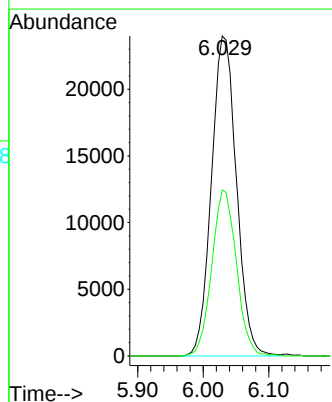
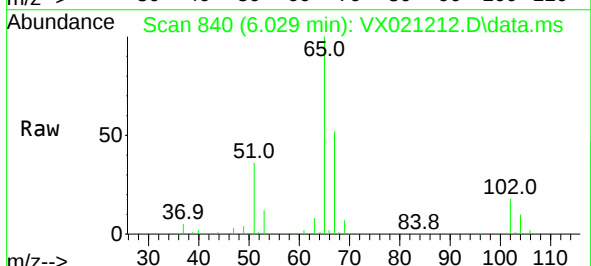


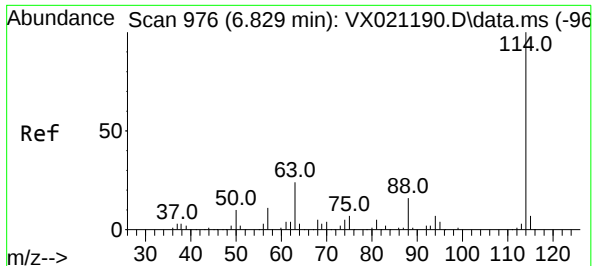
Tgt Ion: 56 Resp: 2096  
Ion Ratio Lower Upper  
56 100  
69 174.6 25.3 37.9#  
84 94.8 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 51.84 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

Tgt Ion: 65 Resp: 63466  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 105.4

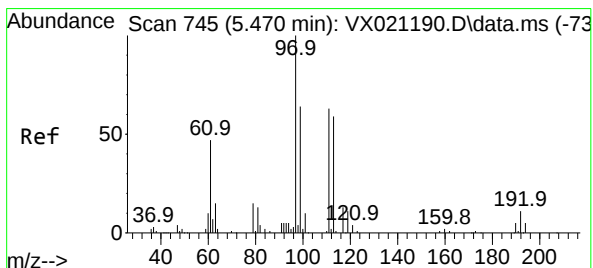
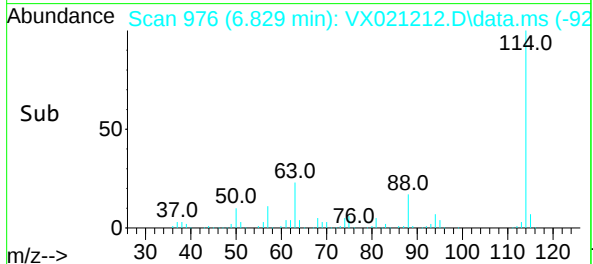
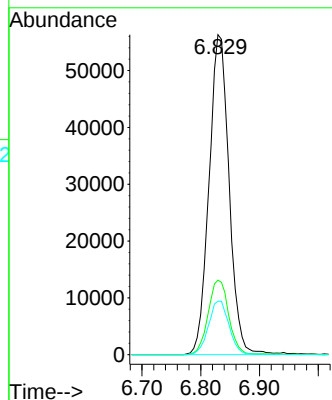
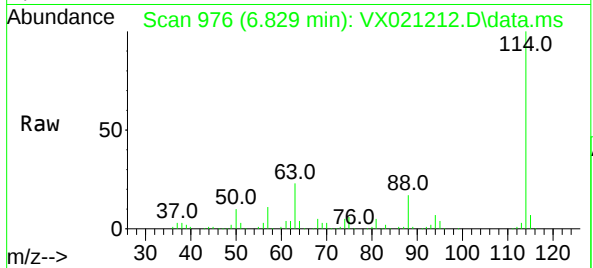




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

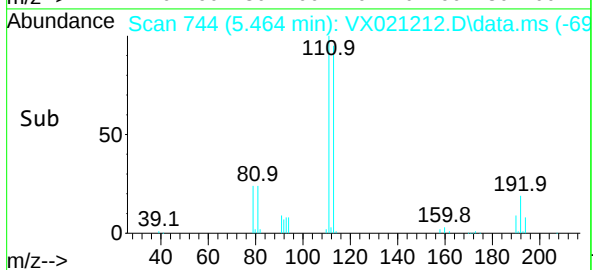
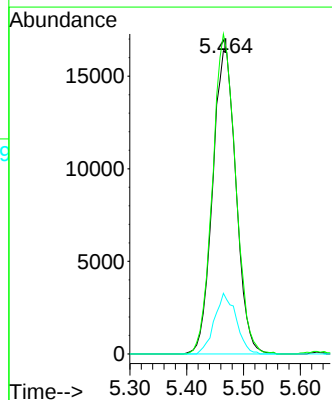
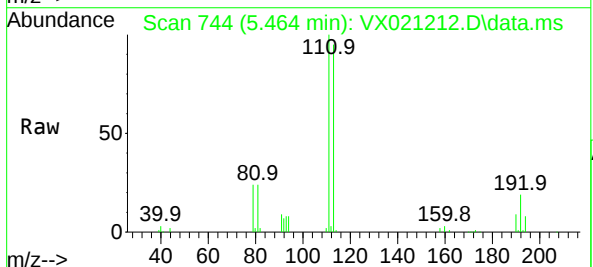
Instrument :  
MSVOA\_X  
ClientSampleId :  
STOCKPILE

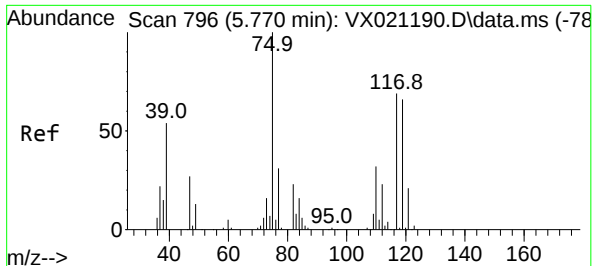
Tgt Ion:114 Resp: 133532  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 40.8  
88 16.7 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 51.20 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

Tgt Ion:113 Resp: 47039  
Ion Ratio Lower Upper  
113 100  
111 103.9 81.9 122.9  
192 18.5 16.7 25.1

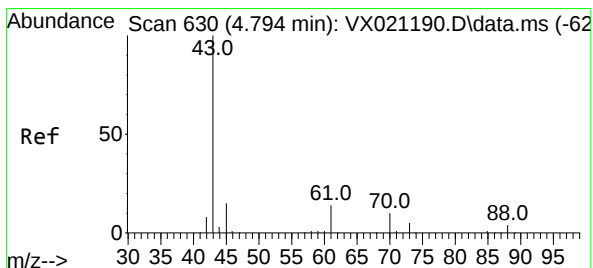
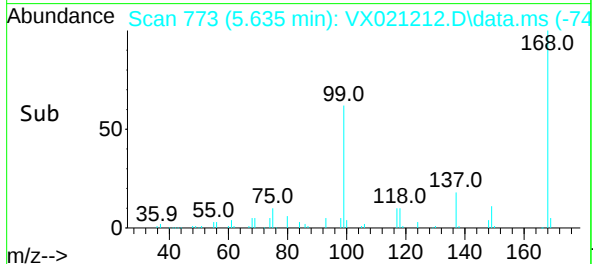
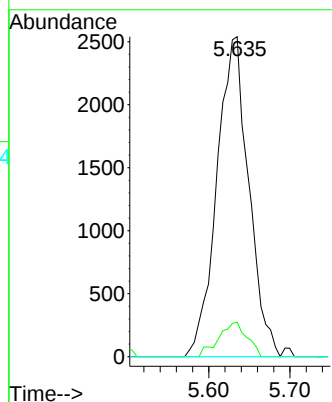
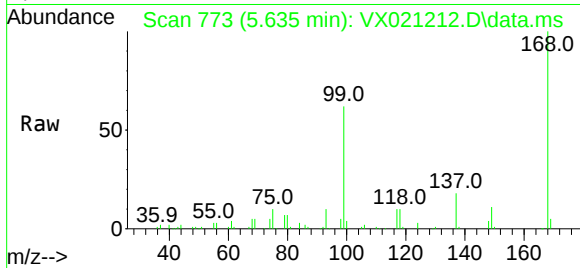




#36  
1,1-Dichloropropene  
Concen: 4.95 ug/l  
RT: 5.635 min Scan# 773  
Delta R.T. -0.135 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

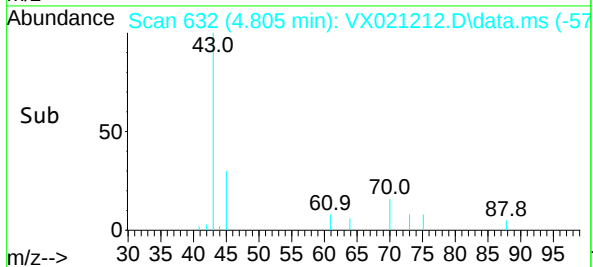
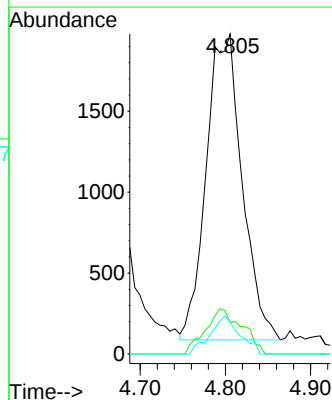
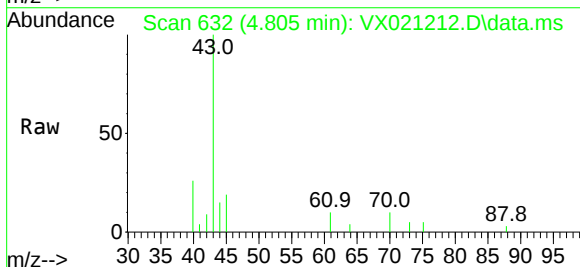
Instrument :  
MSVOA\_X  
ClientSampleId :  
STOCKPILE

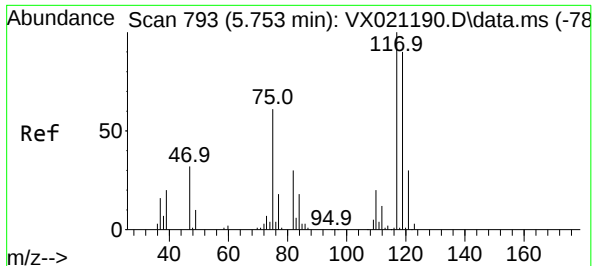
Tgt Ion: 75 Resp: 6930  
Ion Ratio Lower Upper  
75 100  
110 9.6 18.1 54.4#  
77 0.0 25.3 37.9#



#37  
Ethyl Acetate  
Concen: 3.58 ug/l  
RT: 4.805 min Scan# 632  
Delta R.T. 0.012 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

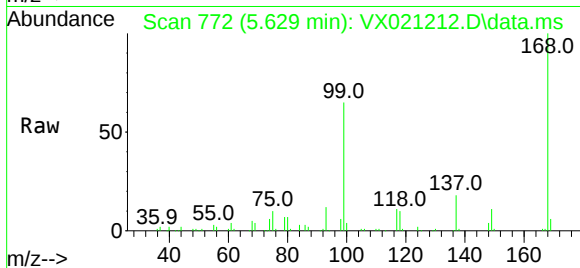
Tgt Ion: 43 Resp: 5520  
Ion Ratio Lower Upper  
43 100  
61 15.1 12.8 19.2  
70 10.2 10.5 15.7#



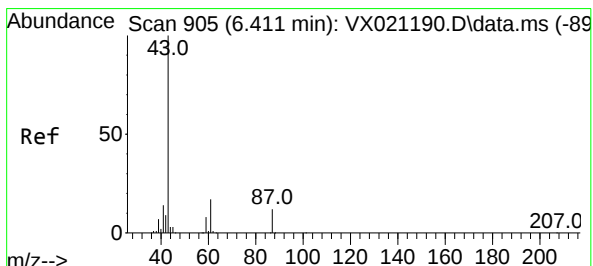
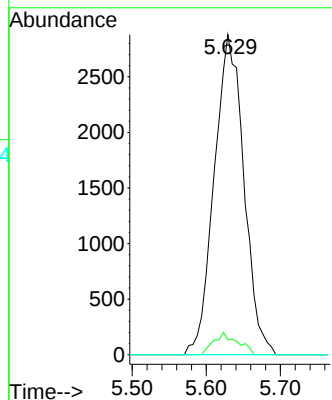
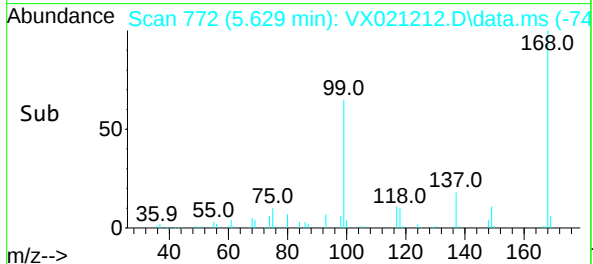


#38  
Carbon Tetrachloride  
Concen: 5.21 ug/l  
RT: 5.629 min Scan# 772  
Delta R.T. -0.123 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

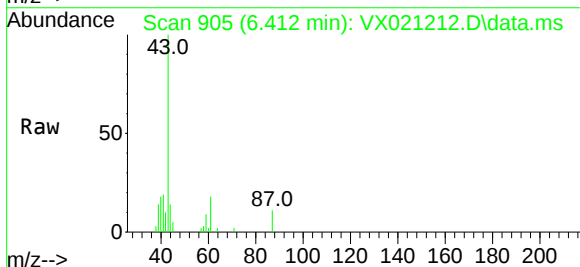
Instrument :  
MSVOA\_X  
ClientSampleId :  
STOCKPILE



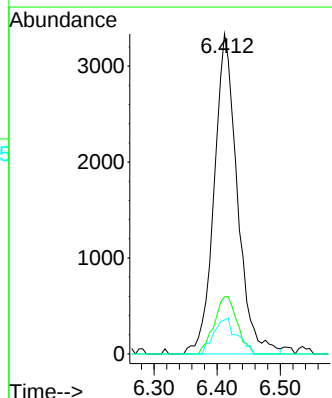
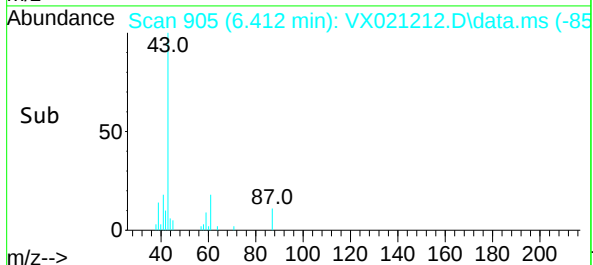
Tgt Ion:117 Resp: 8003  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.2 114.2#  
121 0.0 24.8 37.2#

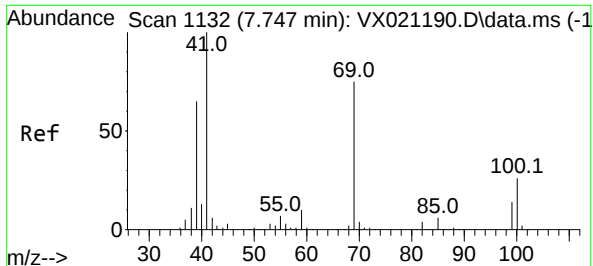


#43  
Isopropyl Acetate  
Concen: 3.29 ug/l  
RT: 6.412 min Scan# 905  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04



Tgt Ion: 43 Resp: 8500  
Ion Ratio Lower Upper  
43 100  
61 17.7 18.2 27.4#  
87 11.1 12.5 18.7#





#48

Methyl methacrylate

Concen: 2.53 ug/l

RT: 7.647 min Scan# 1115

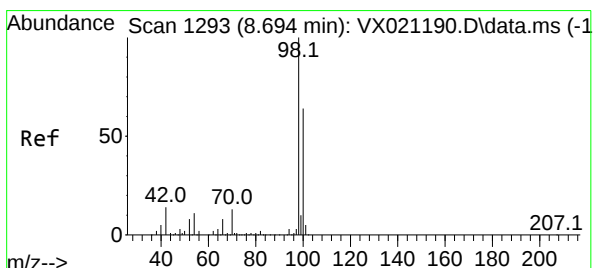
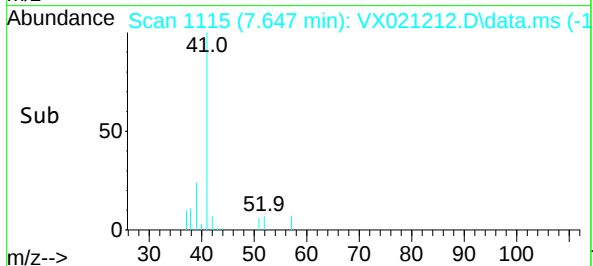
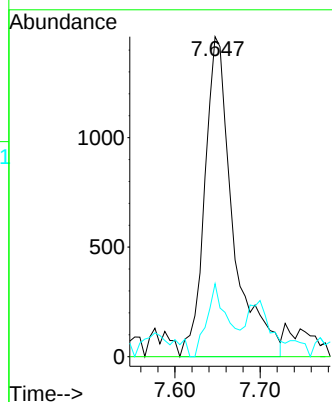
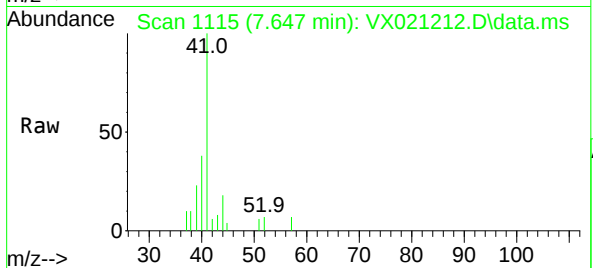
Delta R.T. -0.100 min

Lab File: VX021212.D

Acq: 15 Mar 2021 20:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 3364   |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 0.0   | 76.0  | 114.0# |
| 39       | 16.9  | 44.6  | 67.0#  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
STOCKPILE



#50

Toluene-d8

Concen: 51.49 ug/l

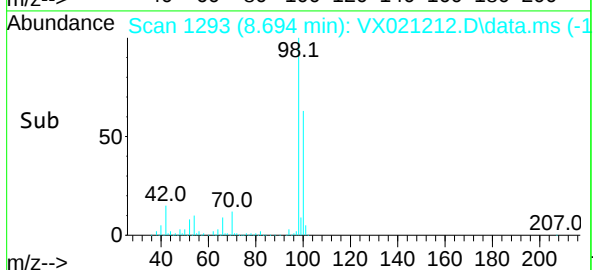
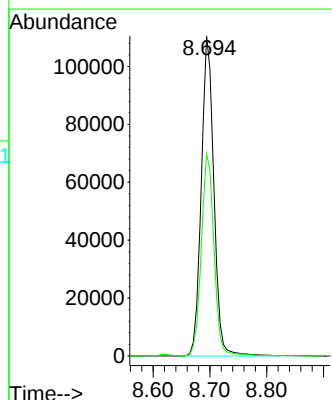
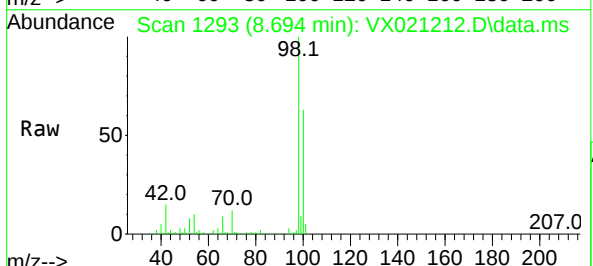
RT: 8.694 min Scan# 1293

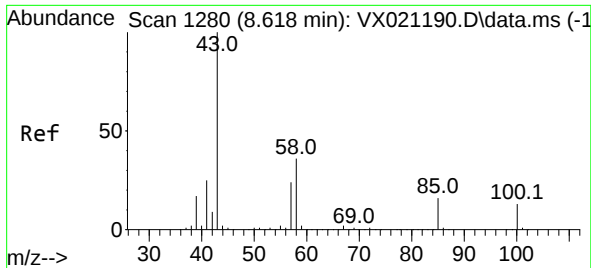
Delta R.T. 0.000 min

Lab File: VX021212.D

Acq: 15 Mar 2021 20:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 169948 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.2  | 51.9  | 77.9   |

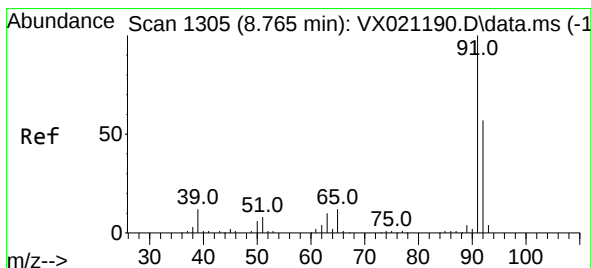
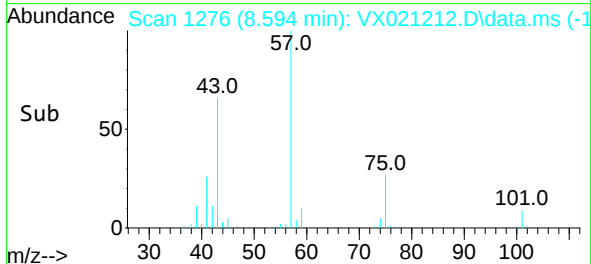
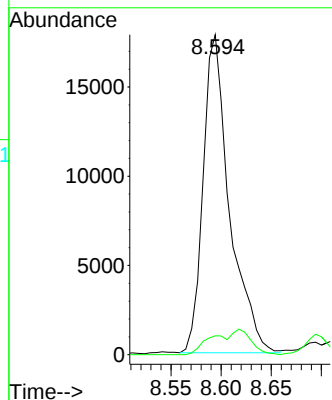
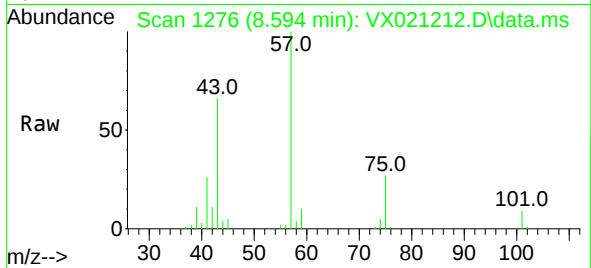




#51  
4-Methyl-2-Pentanone  
Concen: 22.20 ug/l  
RT: 8.594 min Scan# 1276  
Delta R.T. -0.023 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

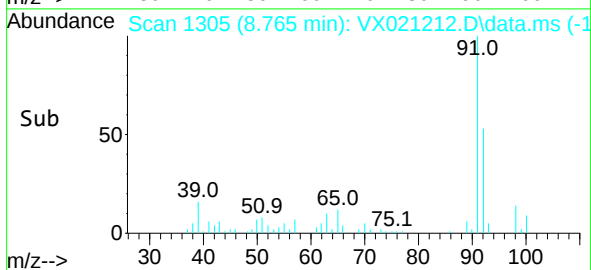
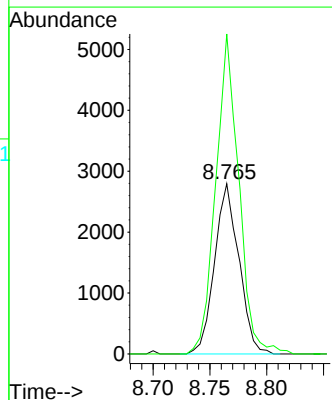
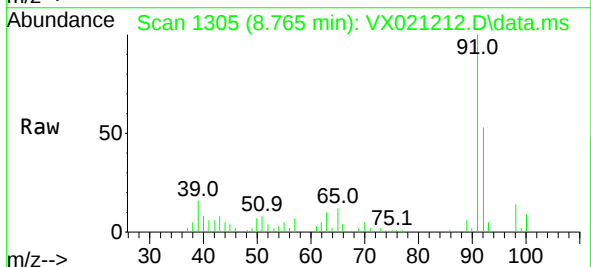
Instrument :  
MSVOA\_X  
ClientSampleId :  
STOCKPILE

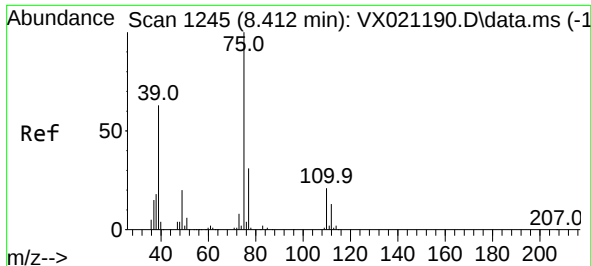
Tgt Ion: 43 Resp: 32734  
Ion Ratio Lower Upper  
43 100  
58 0.0 35.4 53.0#



#52  
Toluene  
Concen: 1.77 ug/l  
RT: 8.765 min Scan# 1305  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

Tgt Ion: 92 Resp: 4165  
Ion Ratio Lower Upper  
92 100  
91 178.4 137.1 205.7

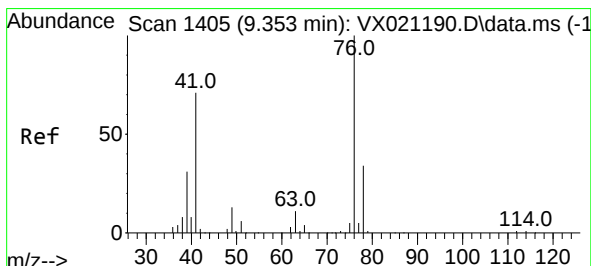
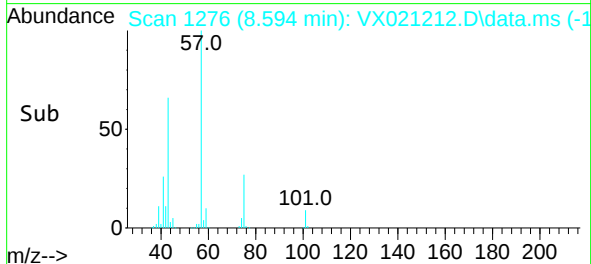
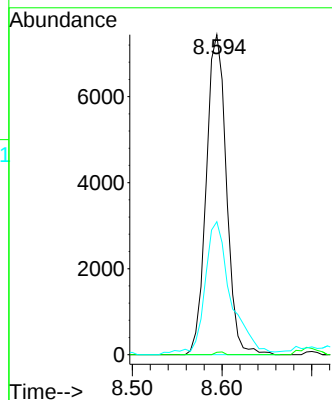
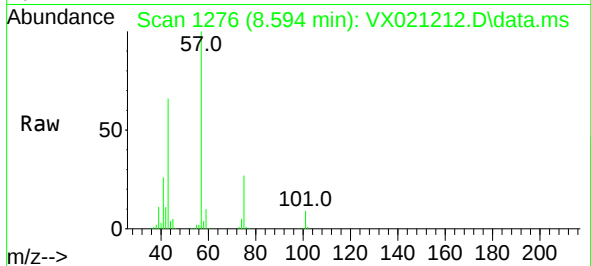




#54  
cis-1,3-Dichloropropene  
Concen: 6.81 ug/l  
RT: 8.594 min Scan# 1276  
Delta R.T. 0.182 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

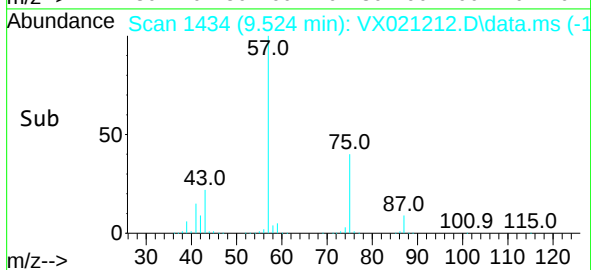
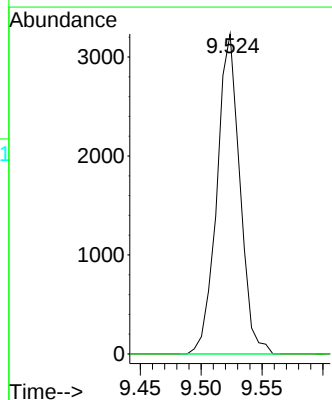
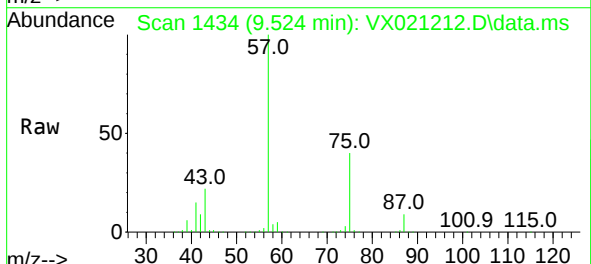
Instrument :  
MSVOA\_X  
ClientSampleId :  
STOCKPILE

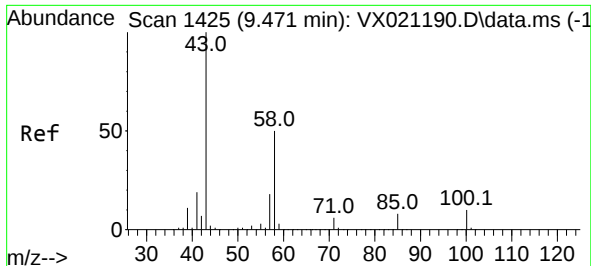
Tgt Ion: 75 Resp: 11599  
Ion Ratio Lower Upper  
75 100  
77 0.8 25.7 38.5#  
39 40.6 35.1 52.7



#57  
1,3-Dichloropropane  
Concen: 2.52 ug/l  
RT: 9.524 min Scan# 1434  
Delta R.T. 0.171 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

Tgt Ion: 76 Resp: 4243  
Ion Ratio Lower Upper  
76 100  
78 0.0 26.2 39.2#

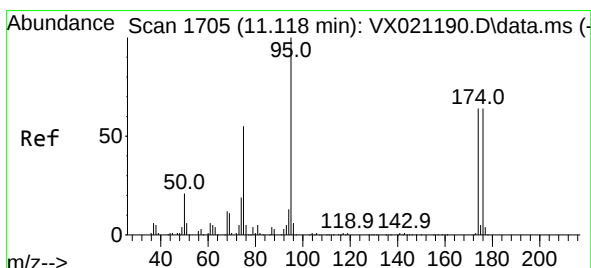
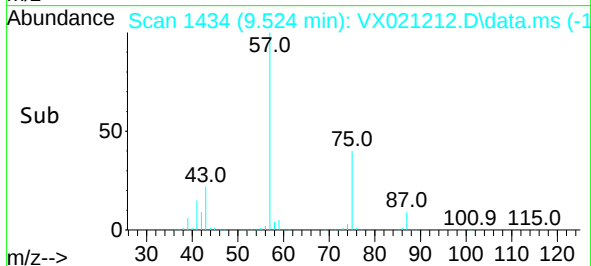
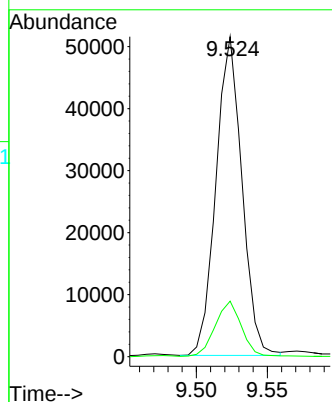
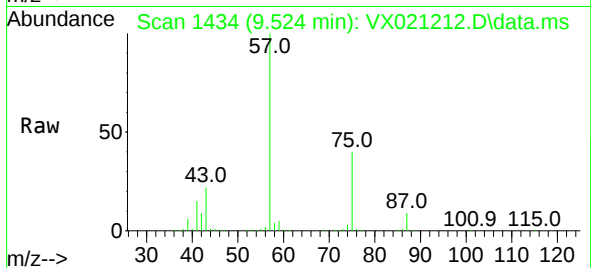




#59  
2-Hexanone  
Concen: 58.82 ug/l  
RT: 9.524 min Scan# 1434  
Delta R.T. 0.053 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

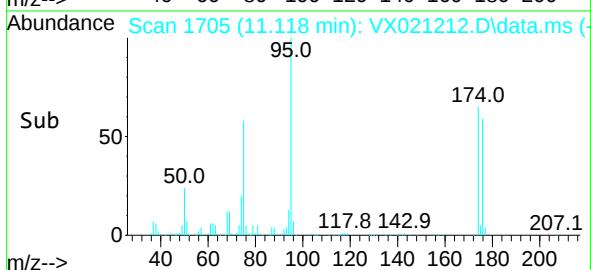
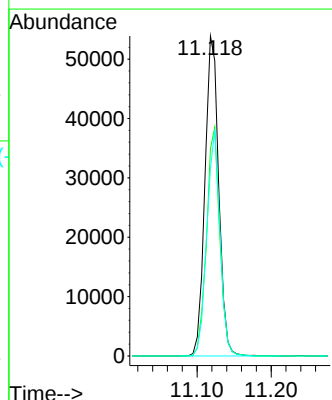
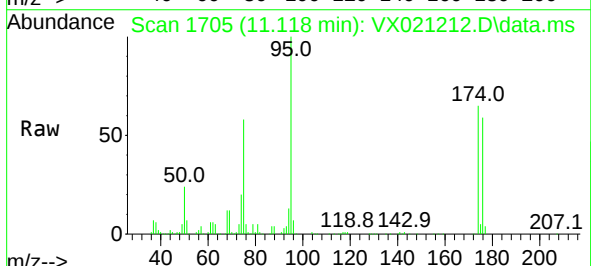
Instrument :  
MSVOA\_X  
ClientSampled :  
STOCKPILE

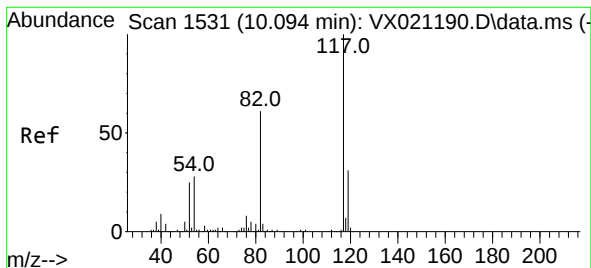
Tgt Ion: 43 Resp: 65271  
Ion Ratio Lower Upper  
43 100  
58 17.7 30.9 92.8#



#62  
4-Bromofluorobenzene  
Concen: 55.22 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

Tgt Ion: 95 Resp: 69454  
Ion Ratio Lower Upper  
95 100  
174 68.7 0.0 154.6  
176 67.7 0.0 155.8

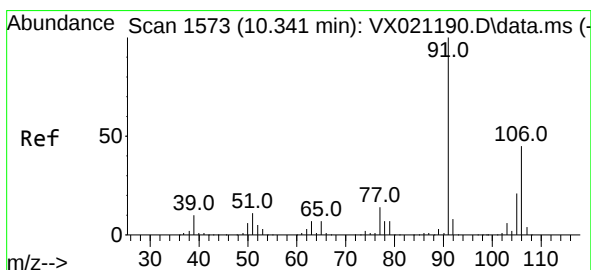
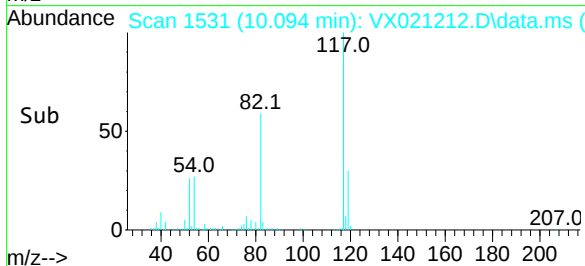
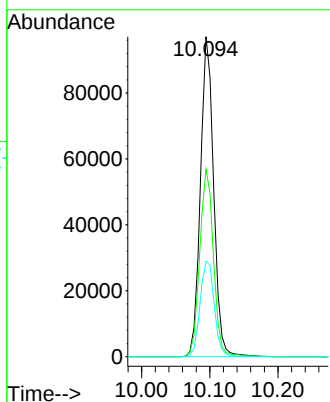
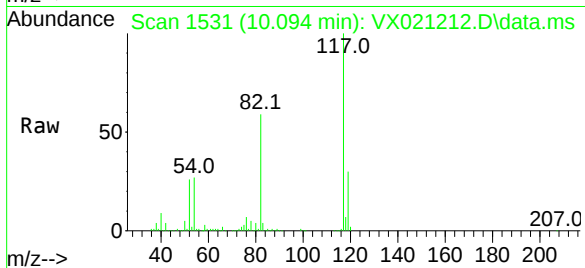




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

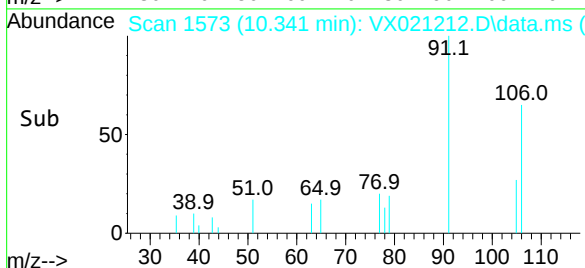
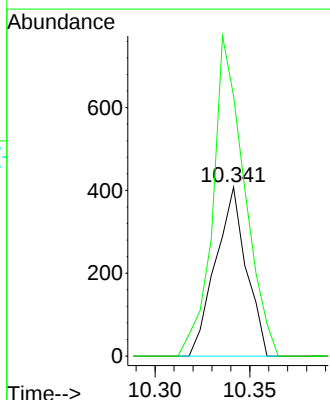
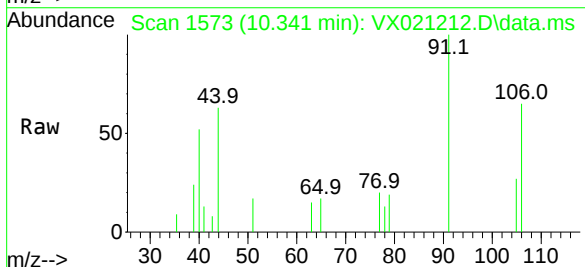
Instrument :  
MSVOA\_X  
ClientSampleId :  
STOCKPILE

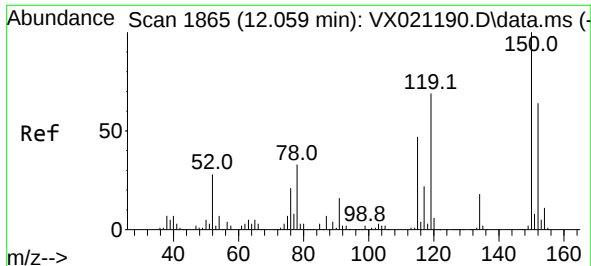
Tgt Ion:117 Resp: 131080  
Ion Ratio Lower Upper  
117 100  
82 58.5 47.4 71.2  
119 29.8 26.6 39.8



#68  
m/p-Xylenes  
Concen: 0.25 ug/l  
RT: 10.341 min Scan# 1573  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

Tgt Ion:106 Resp: 460  
Ion Ratio Lower Upper  
106 100  
91 193.9 162.8 244.2

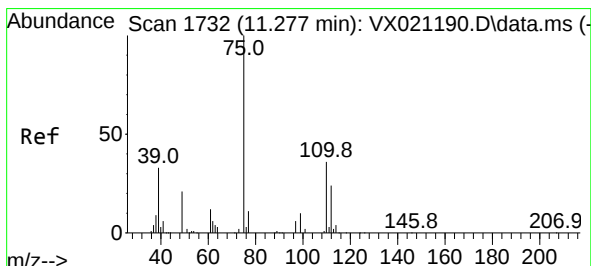
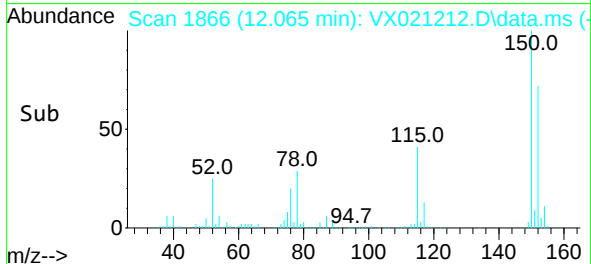
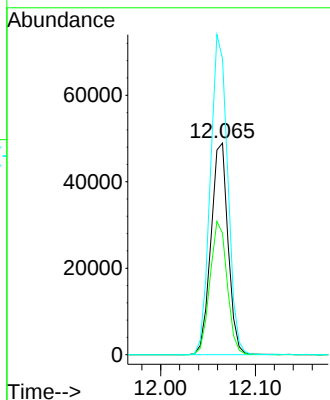
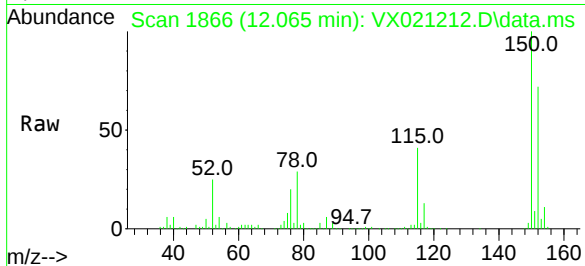




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.065 min Scan# 1866  
 Delta R.T. 0.000 min  
 Lab File: VX021212.D  
 Acq: 15 Mar 2021 20:04

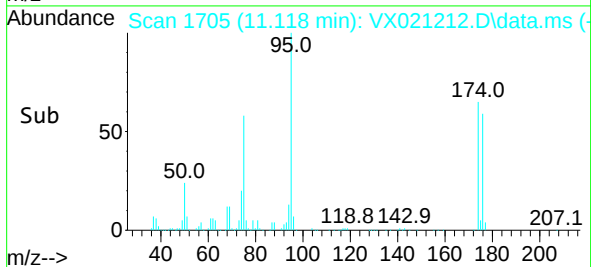
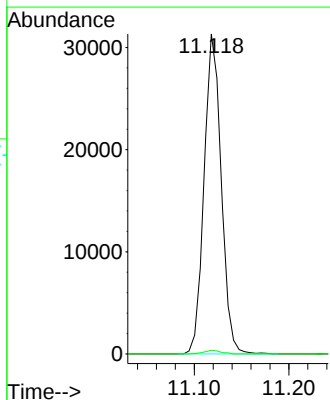
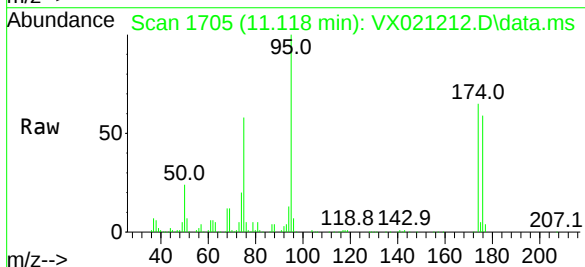
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 STOCKPILE

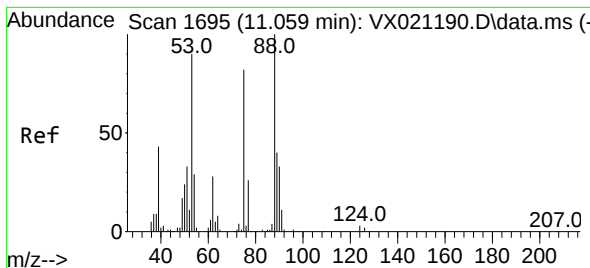
Tgt Ion:152 Resp: 61361  
 Ion Ratio Lower Upper  
 152 100  
 115 63.0 41.1 123.3  
 150 153.4 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 25.87 ug/l  
 RT: 11.118 min Scan# 1705  
 Delta R.T. -0.159 min  
 Lab File: VX021212.D  
 Acq: 15 Mar 2021 20:04

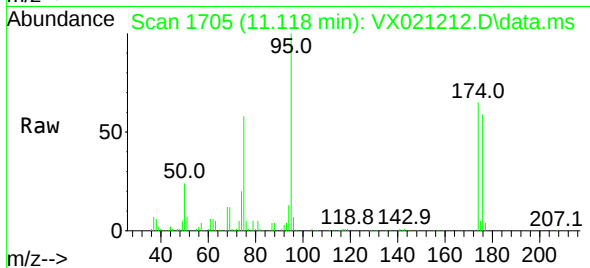
Tgt Ion: 75 Resp: 39354  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#



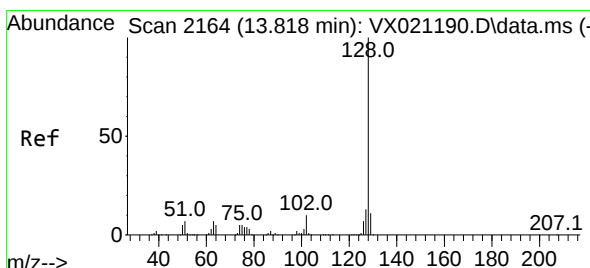
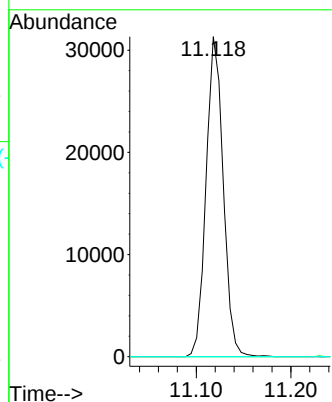
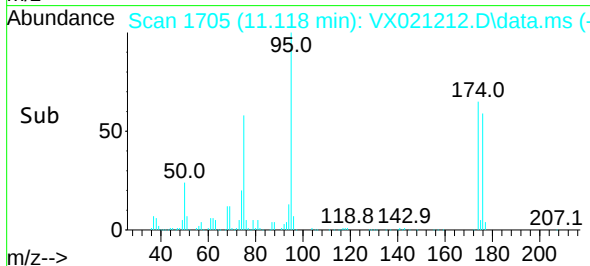


#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.41 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04

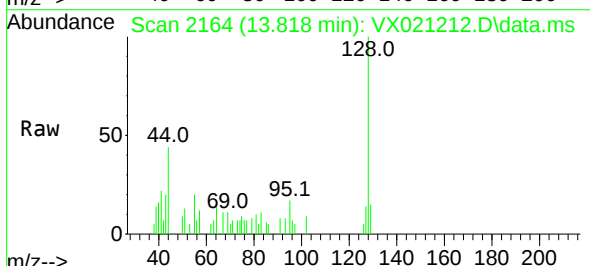
Instrument :  
MSVOA\_X  
ClientSampleId :  
STOCKPILE



Tgt Ion: 75 Resp: 39354  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.77 ug/l  
RT: 13.818 min Scan# 2164  
Delta R.T. 0.000 min  
Lab File: VX021212.D  
Acq: 15 Mar 2021 20:04



Tgt Ion: 128 Resp: 1430  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.3 15.5  
129 14.1 8.8 13.2#

