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 Data File : VX022438.D  
 Acq On : 05 Jun 2021 01:38  
 Operator : JC/MD  
 Sample : PB136806ZHE#05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

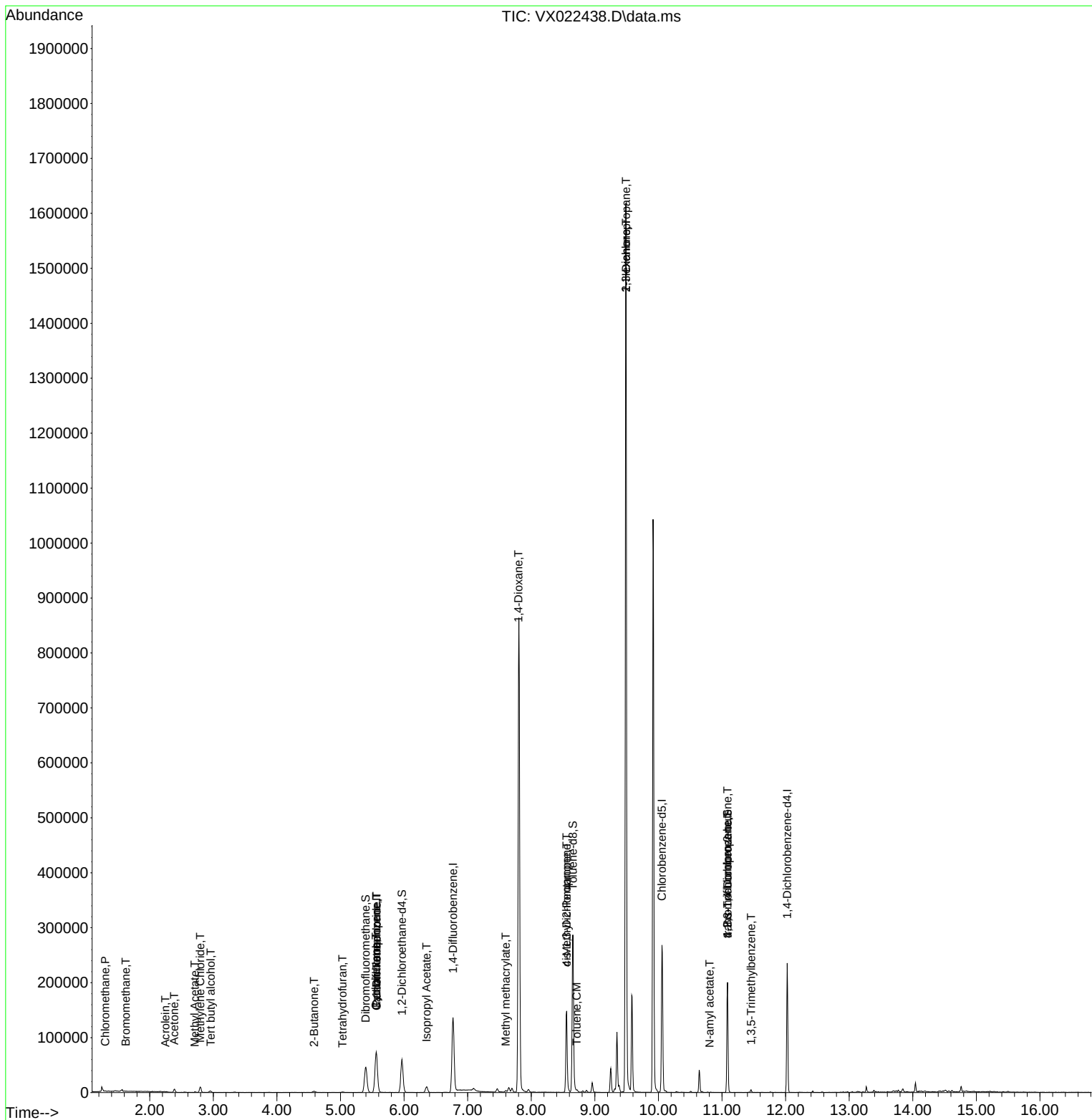
Instrument :  
 MSVOA\_X  
 ClientSampleId :

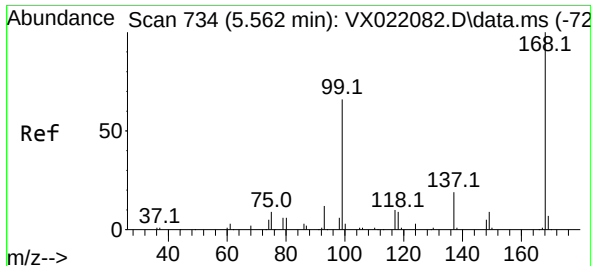
Quant Time: Jun 05 06:21:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 19 14:23:10 2021  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.562     | 168   | 63088    | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.769     | 114   | 132209   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 116734   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 42140    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.964     | 65    | 52411    | 53.856   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 107.720% |          |
| 35) Dibromofluoromethane      | 5.397     | 113   | 39344    | 46.927   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 93.860%  |          |
| 50) Toluene-d8                | 8.653     | 98    | 165097   | 51.119   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 102.240% |          |
| 62) 4-Bromofluorobenzene      | 11.085    | 95    | 54443    | 45.607   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 91.220%  |          |
| Target Compounds              |           |       |          |          |            | Qvalue   |
| 3) Chloromethane              | 1.301     | 50    | 175      | 0.212    | ug/l       | # 42     |
| 5) Bromomethane               | 1.624     | 94    | 192      | 0.376    | ug/l       | # 2      |
| 11) Tert butyl alcohol        | 2.959     | 59    | 1912     | 8.590    | ug/l       | # 73     |
| 13) Acrolein                  | 2.246     | 56    | 45       | 0.305    | ug/l       | 93       |
| 16) Acetone                   | 2.386     | 43    | 6484     | 15.302   | ug/l       | 96       |
| 18) Methyl Acetate            | 2.709     | 43    | 1481     | 1.314    | ug/l       | 91       |
| 20) Methylene Chloride        | 2.794     | 84    | 4407     | 4.684    | ug/l       | 93       |
| 25) 2-Butanone                | 4.587     | 43    | 2134     | 3.113    | ug/l       | # 88     |
| 29) Tetrahydrofuran           | 5.032     | 42    | 766      | 1.877    | ug/l       | # 48     |
| 31) Cyclohexane               | 5.556     | 56    | 1631     | 1.334    | ug/l       | # 14     |
| 36) 1,1-Dichloropropene       | 5.562     | 75    | 6274     | 5.132    | ug/l       | # 49     |
| 38) Carbon Tetrachloride      | 5.568     | 117   | 7284     | 6.091    | ug/l       | # 14     |
| 43) Isopropyl Acetate         | 6.355     | 43    | 14836    | 6.052    | ug/l       | # 90     |
| 48) Methyl methacrylate       | 7.598     | 41    | 4210     | 3.727    | ug/l       | # 10     |
| 49) 1,4-Dioxane               | 7.799     | 88    | 85       | 3.865    | ug/l       | # 1      |
| 51) 4-Methyl-2-Pentanone      | 8.555     | 43    | 51872    | 35.327   | ug/l       | # 45     |
| 52) Toluene                   | 8.714     | 92    | 729      | 0.306    | ug/l       | 89       |
| 54) cis-1,3-Dichloropropene   | 8.555     | 75    | 24070    | 14.889   | ug/l       | # 59     |
| 57) 1,3-Dichloropropane       | 9.488     | 76    | 13919    | 8.430    | ug/l       | # 42     |
| 59) 2-Hexanone                | 9.488     | 43    | 191045   | 172.993  | ug/l       | # 44     |
| 74) N-amyl acetate            | 10.805    | 43    | 383      | 0.226    | ug/l       | # 38     |
| 76) 1,2,3-Trichloropropane    | 11.085    | 75    | 29584    | 28.457   | ug/l       | # 39     |
| 80) 1,3,5-Trimethylbenzene    | 11.457    | 105   | 2248     | 0.760    | ug/l       | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.085    | 75    | 29584    | 67.425   | ug/l       | # 12     |

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

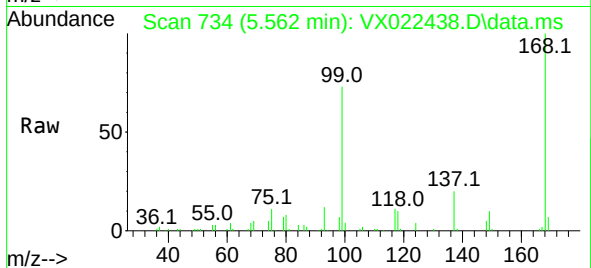
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Quant Title : SW846 8260  
QLast Update : Wed May 19 14:23:10 2021  
Response via : Initial Calibration



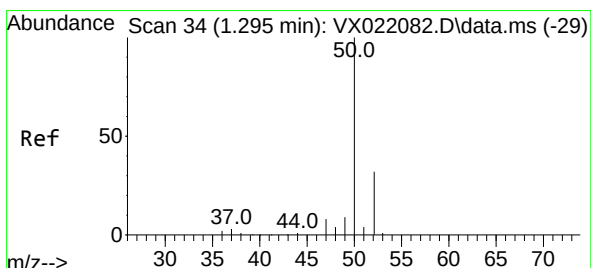
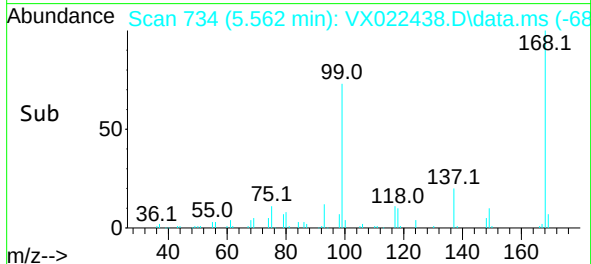
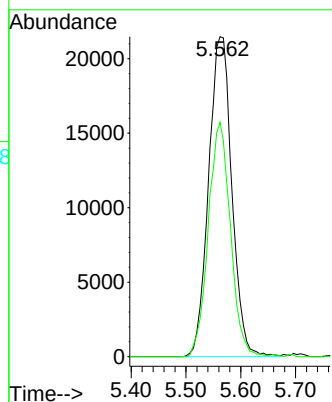


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Instrument :  
MSVOA\_X  
ClientSampleId :

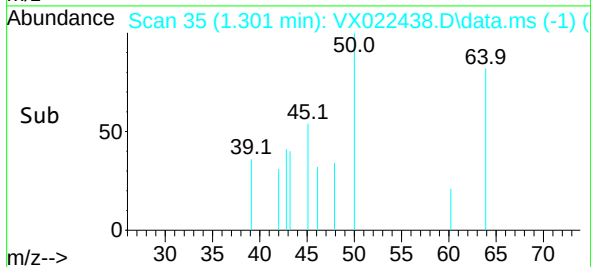
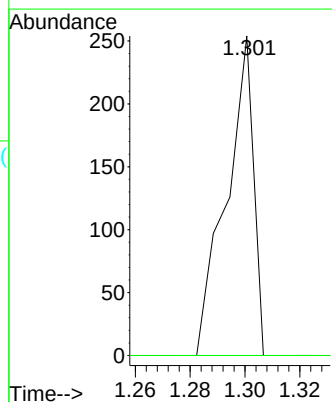
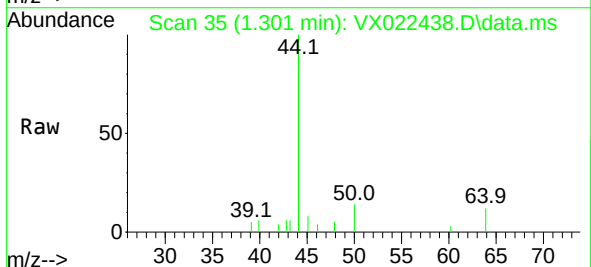


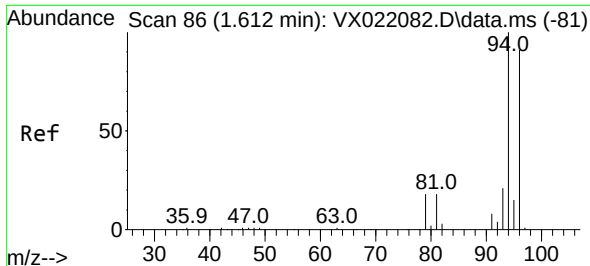
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Ion Ratio Lower Upper  
168 100  
99 73.3 45.8 68.6#



#3  
Chloromethane  
Concen: 0.212 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion: 50 Resp: 175  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.4 39.6#

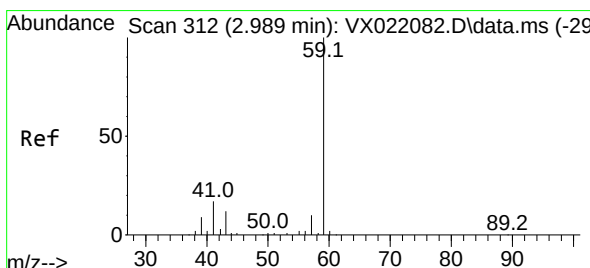
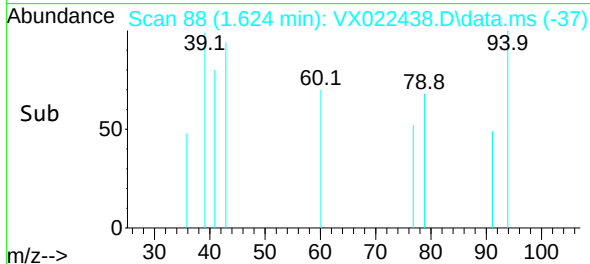
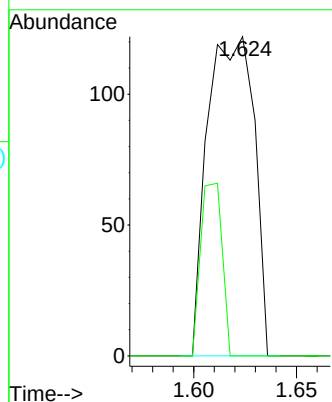
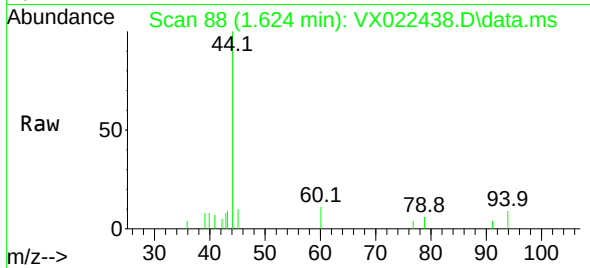




#5  
Bromomethane  
Concen: 0.376 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.012 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

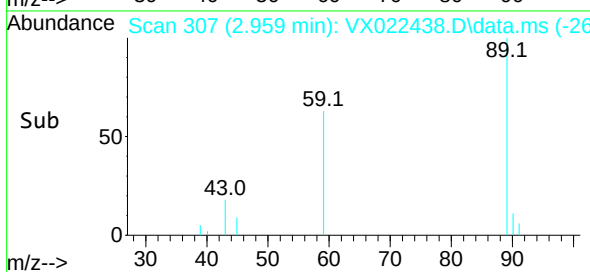
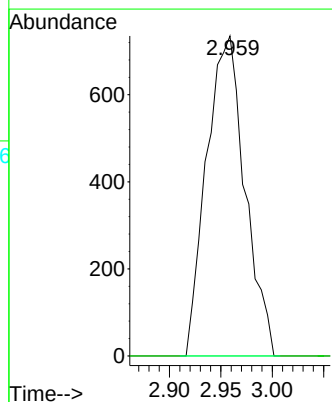
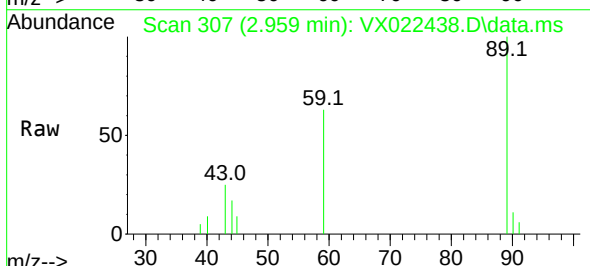
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MSVOA\_X  
ClientSampled :

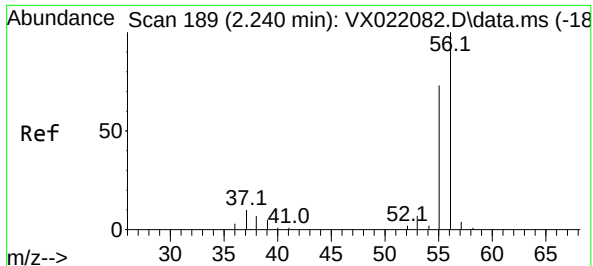
Tgt Ion: 94 Resp: 192  
Ion Ratio Lower Upper  
94 100  
96 0.0 76.4 114.6#



#11  
Tert butyl alcohol  
Concen: 8.590 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. -0.030 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

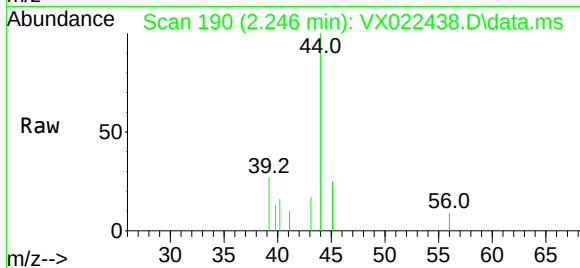
Tgt Ion: 59 Resp: 1912  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



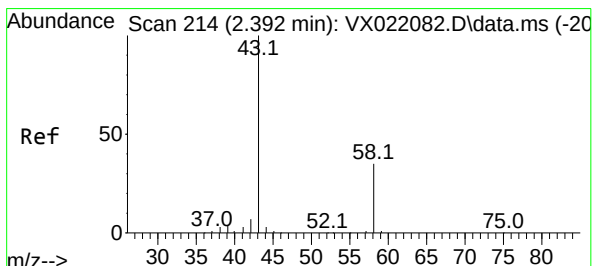
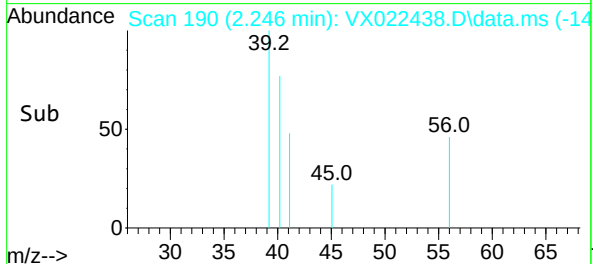
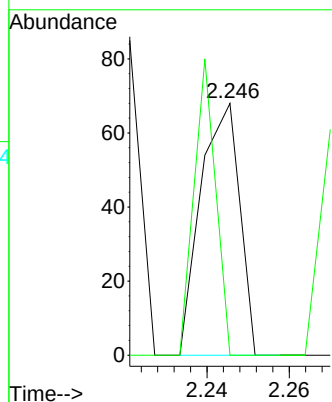


#13  
Acrolein  
Concen: 0.305 ug/l  
RT: 2.246 min Scan# 190  
Delta R.T. 0.006 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Instrument :  
MSVOA\_X  
ClientSampled :

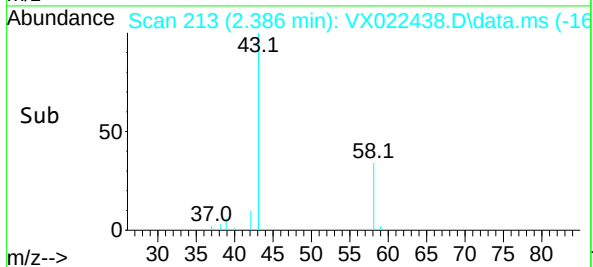
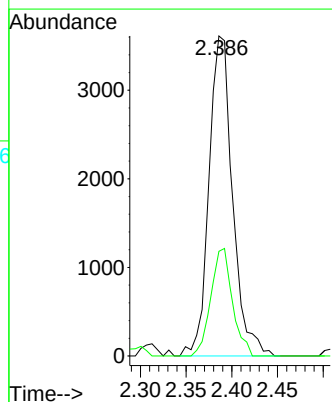
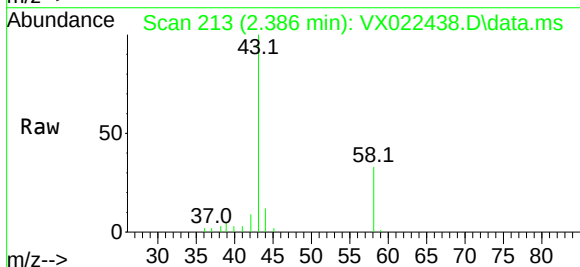


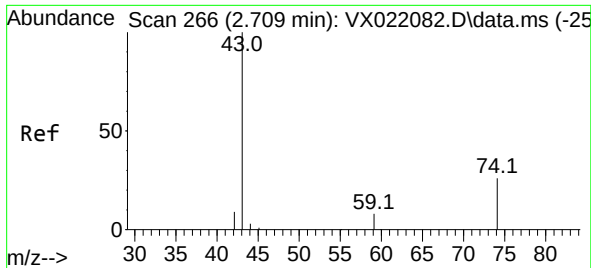
Tgt Ion: 56 Resp: 45  
Ion Ratio Lower Upper  
56 100  
55 64.4 56.4 84.6



#16  
Acetone  
Concen: 15.302 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion: 43 Resp: 6484  
Ion Ratio Lower Upper  
43 100  
58 32.7 27.8 41.8

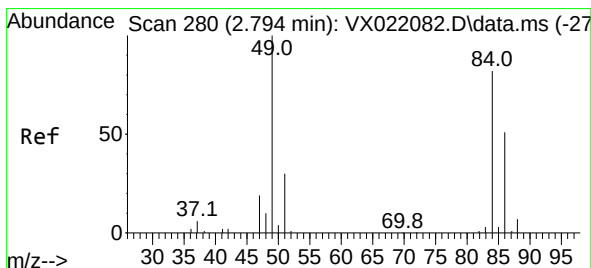
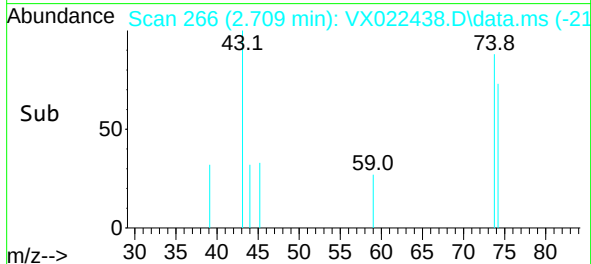
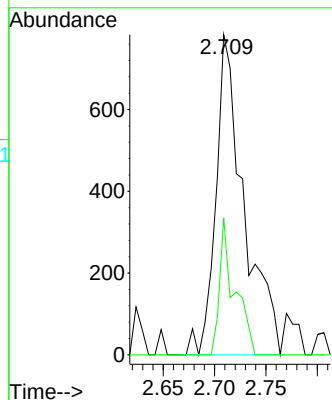
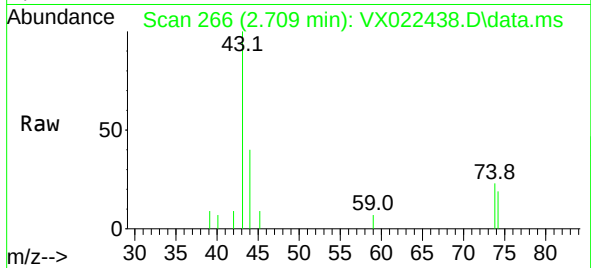




#18  
Methyl Acetate  
Concen: 1.314 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. -0.000 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

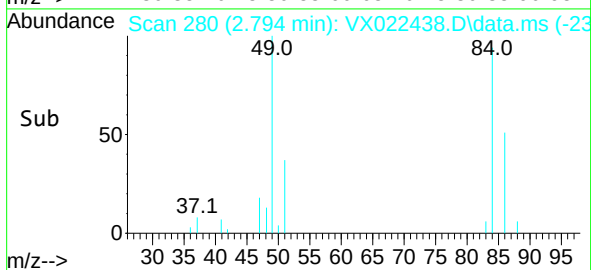
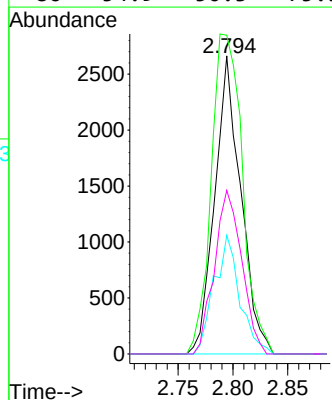
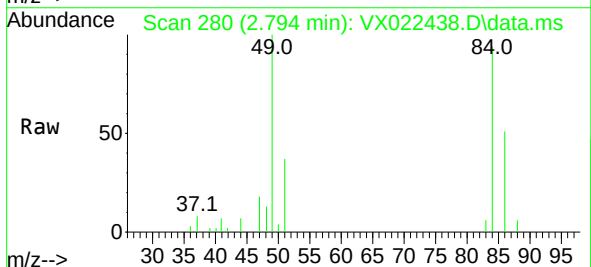
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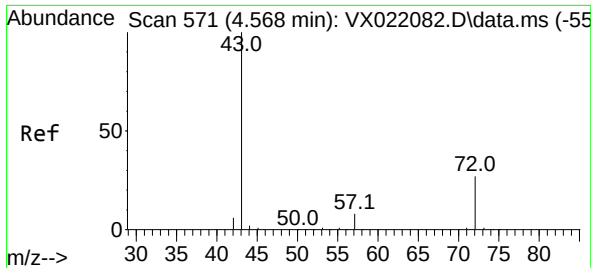
Tgt Ion: 43 Resp: 1481  
Ion Ratio Lower Upper  
43 100  
74 23.0 21.9 32.9



#20  
Methylene Chloride  
Concen: 4.684 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion: 84 Resp: 4407  
Ion Ratio Lower Upper  
84 100  
49 106.9 88.6 132.8  
51 39.8 27.0 40.6  
86 54.9 50.3 75.5

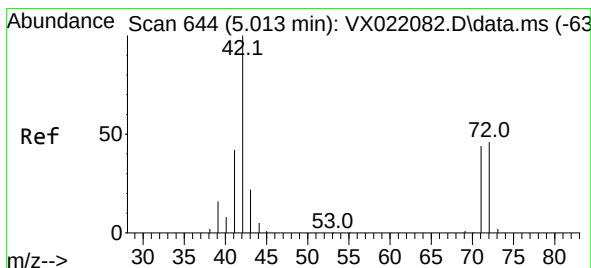
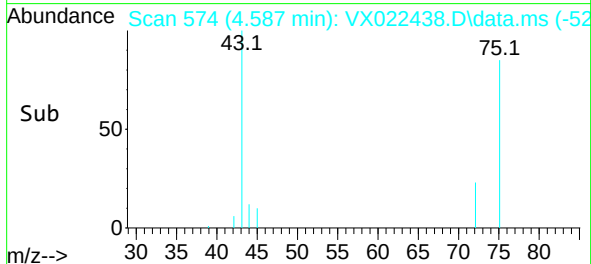
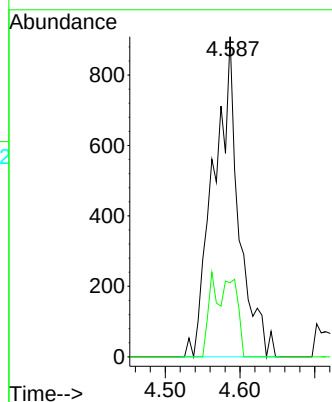
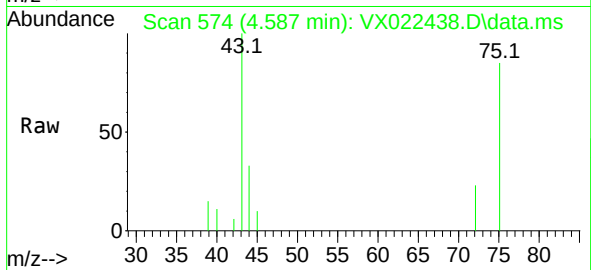




#25  
2-Butanone  
Concen: 3.113 ug/l  
RT: 4.587 min Scan# 574  
Delta R.T. 0.019 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

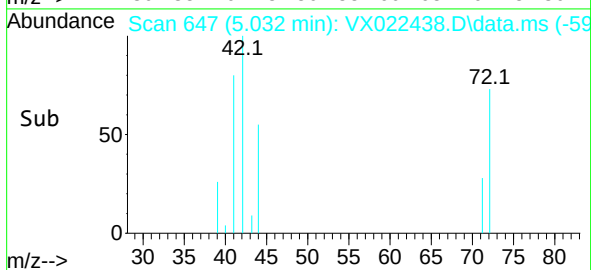
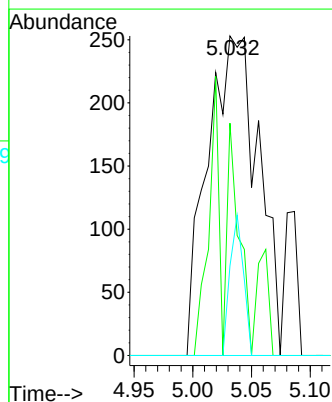
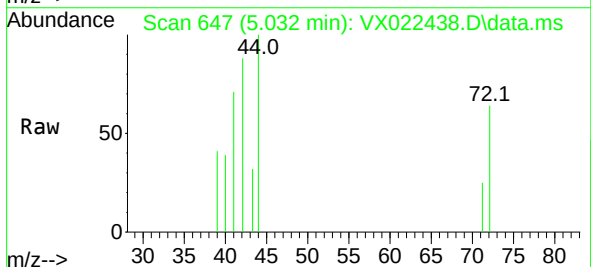
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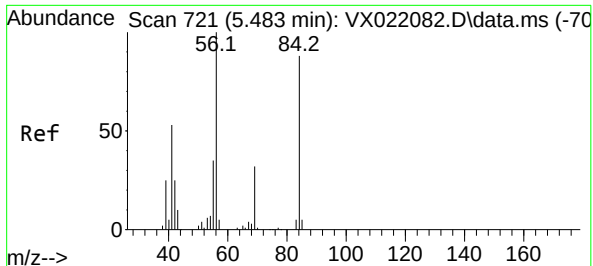
Tgt Ion: 43 Resp: 2134  
Ion Ratio Lower Upper  
43 100  
72 23.1 23.7 35.5#



#29  
Tetrahydrofuran  
Concen: 1.877 ug/l  
RT: 5.032 min Scan# 647  
Delta R.T. 0.019 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion: 42 Resp: 766  
Ion Ratio Lower Upper  
42 100  
72 17.4 41.7 62.5#  
71 11.5 38.4 57.6#

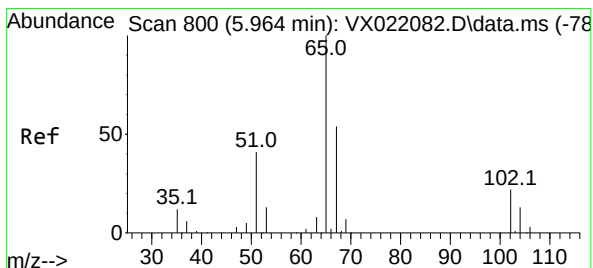
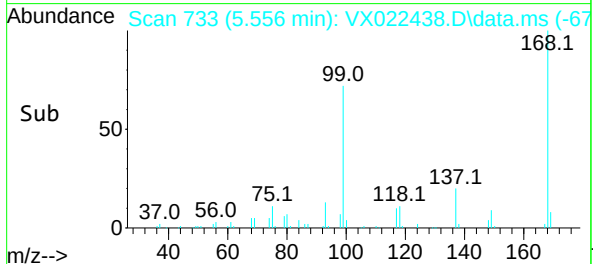
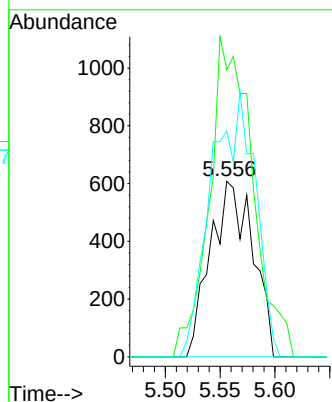
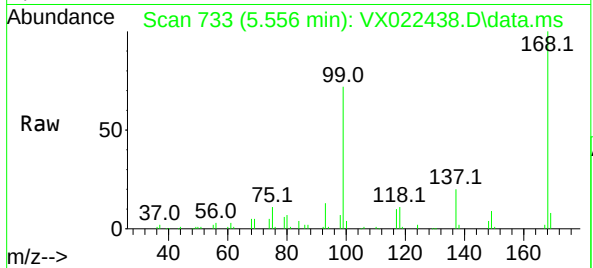




#31  
Cyclohexane  
Concen: 1.334 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.073 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

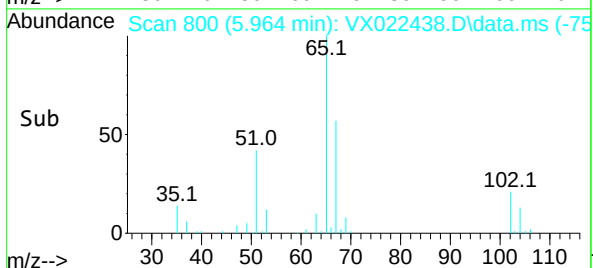
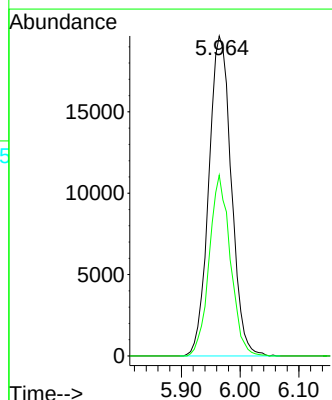
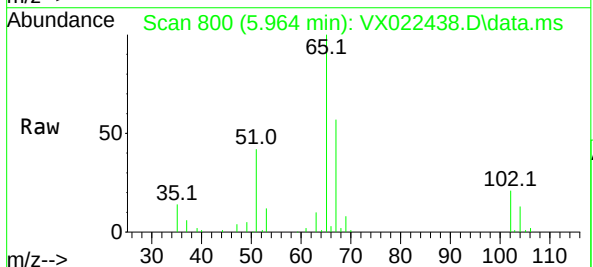
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MSVOA\_X  
ClientSampleId :

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Ion Ratio Lower Upper  
56 100  
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84 128.6 71.4 107.0#

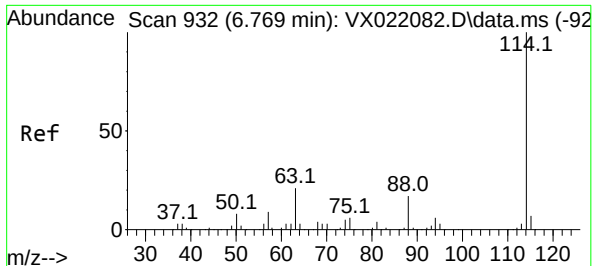


#33  
1,2-Dichloroethane-d4  
Concen: 53.856 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion: 65 Resp: 52411  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 105.4



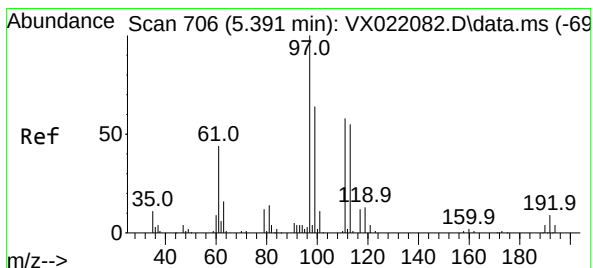
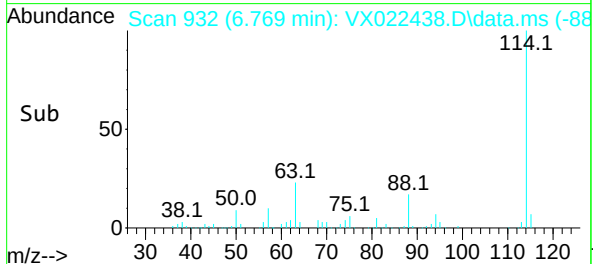
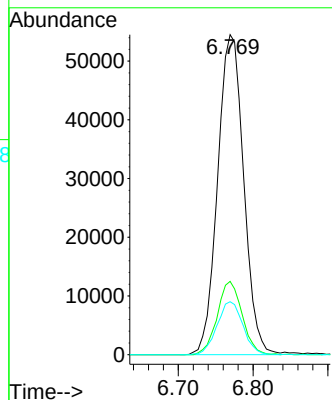
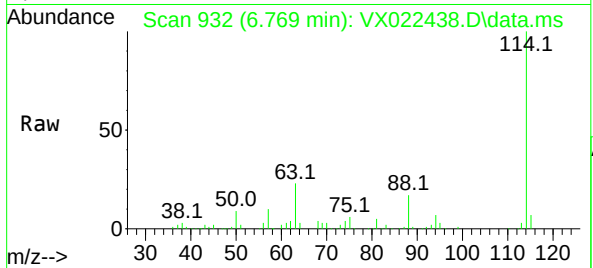




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

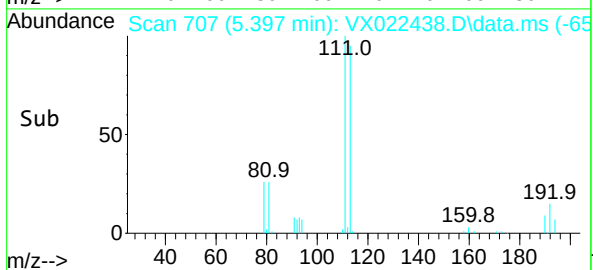
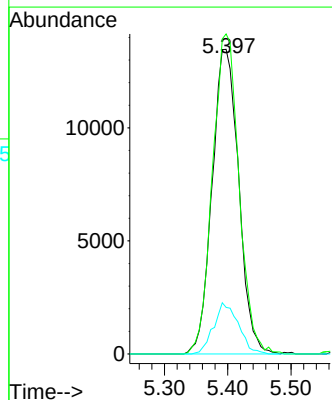
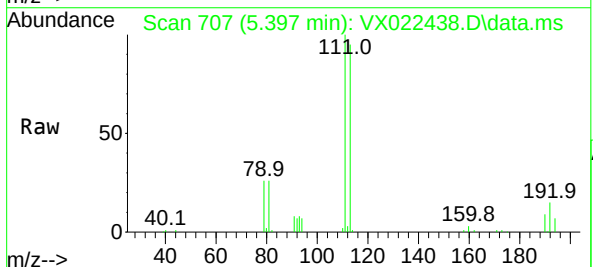
Instrument :  
MSVOA\_X  
ClientSampled :

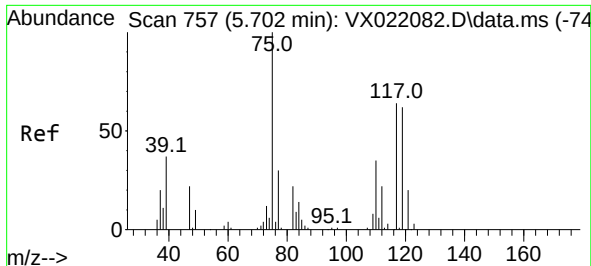
Tgt Ion:114 Resp: 132209  
Ion Ratio Lower Upper  
114 100  
63 22.9 0.0 40.8  
88 16.6 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 46.927 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

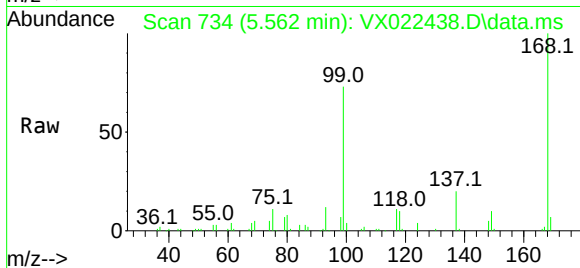
Tgt Ion:113 Resp: 39344  
Ion Ratio Lower Upper  
113 100  
111 104.6 81.9 122.9  
192 15.7 16.7 25.1#



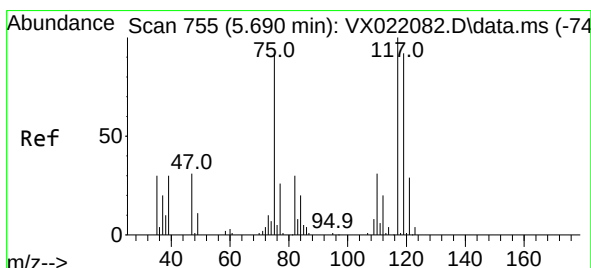
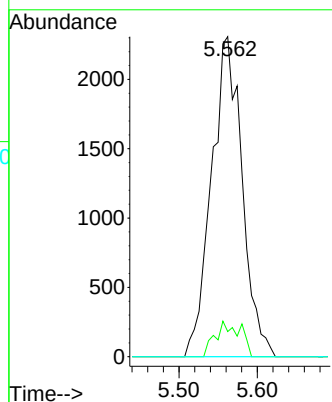
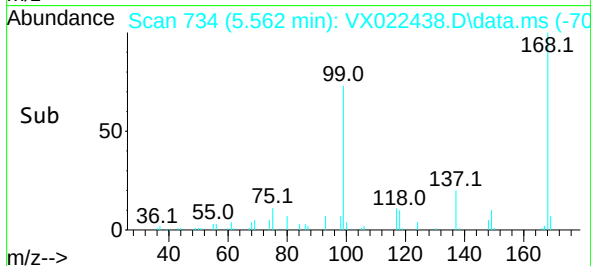


#36  
1,1-Dichloropropene  
Concen: 5.132 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

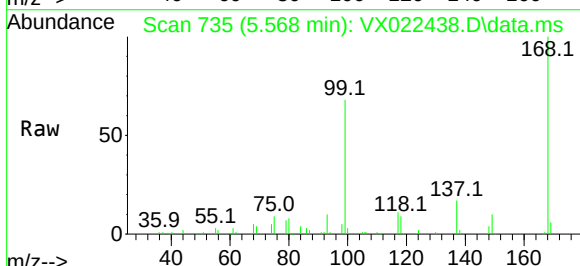
Instrument :  
MSVOA\_X  
ClientSampleId :



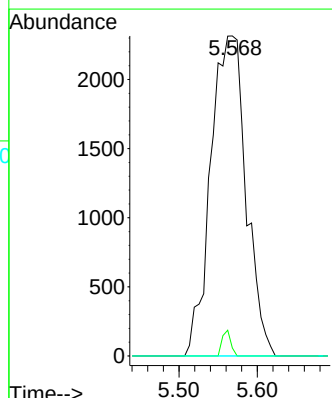
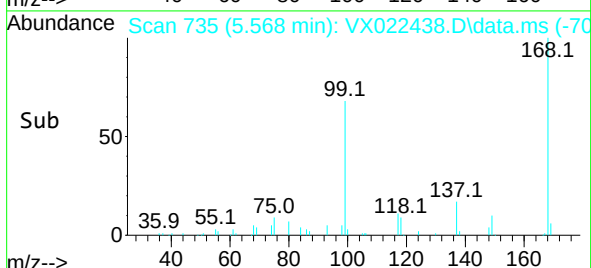
Tgt Ion: 75 Resp: 6274  
Ion Ratio Lower Upper  
75 100  
110 9.0 18.1 54.4#  
77 0.0 25.3 37.9#

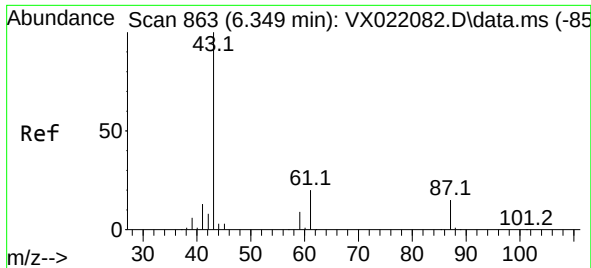


#38  
Carbon Tetrachloride  
Concen: 6.091 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. -0.122 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38



Tgt Ion: 117 Resp: 7284  
Ion Ratio Lower Upper  
117 100  
119 2.5 76.2 114.2#  
121 0.0 24.8 37.2#

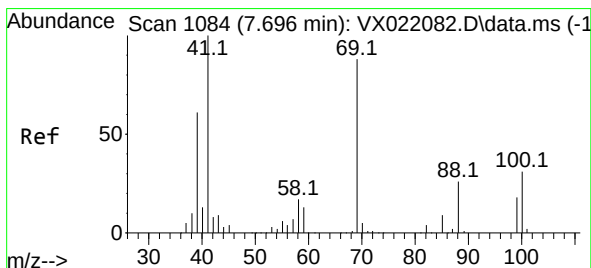
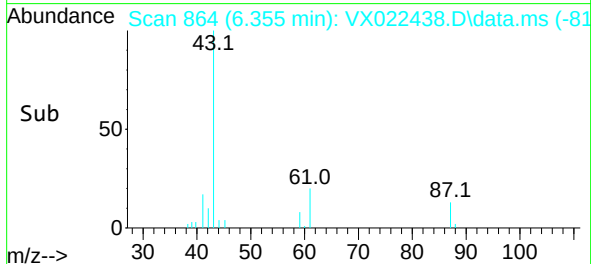
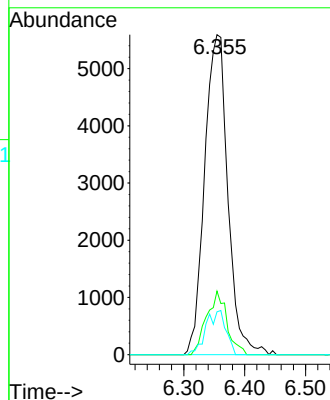
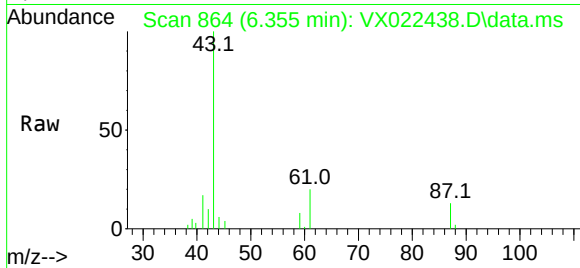




#43  
Isopropyl Acetate  
Concen: 6.052 ug/l  
RT: 6.355 min Scan# 864  
Delta R.T. 0.006 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

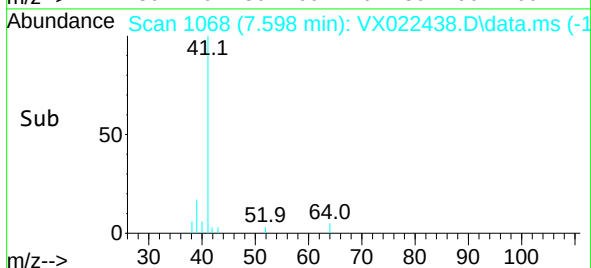
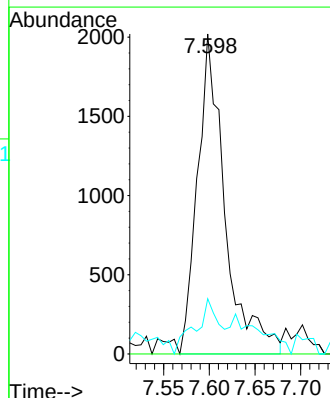
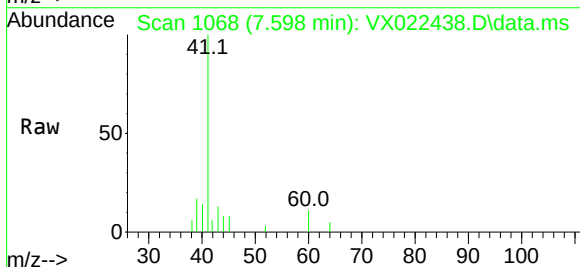
Instrument :  
MSVOA\_X  
ClientSampleId :

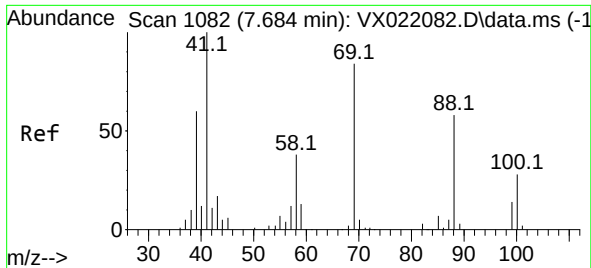
Tgt Ion: 43 Resp: 14836  
Ion Ratio Lower Upper  
43 100  
61 17.4 18.2 27.4#  
87 11.8 12.5 18.7#



#48  
Methyl methacrylate  
Concen: 3.727 ug/l  
RT: 7.598 min Scan# 1068  
Delta R.T. -0.098 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion: 41 Resp: 4210  
Ion Ratio Lower Upper  
41 100  
69 0.0 76.0 114.0#  
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 3.865 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.115 min

Lab File: VX022438.D

Acq: 05 Jun 2021 01:38

Tgt Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

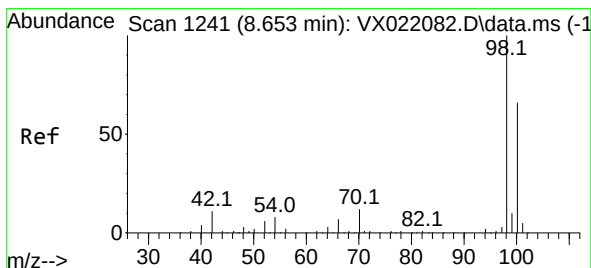
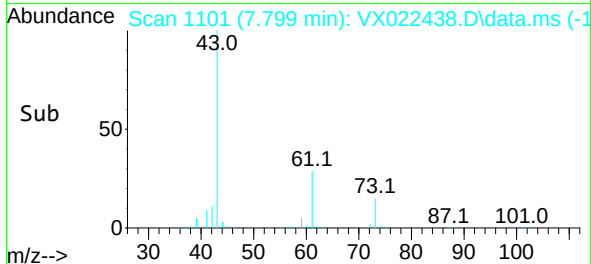
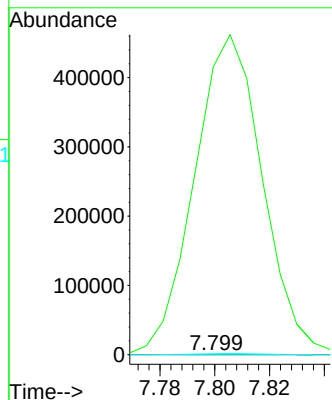
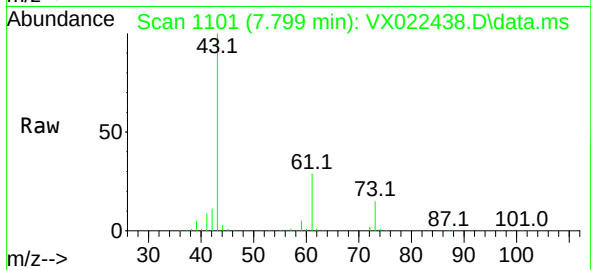
43 948803.5 23.2 34.8#

58 3492.9 55.0 82.4#

Instrument :

MSVOA\_X

ClientSampled :



#50

Toluene-d8

Concen: 51.119 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022438.D

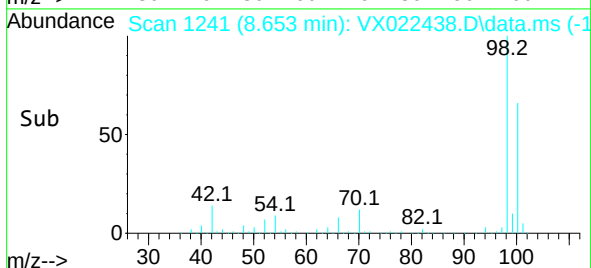
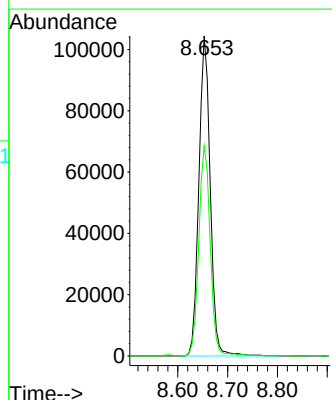
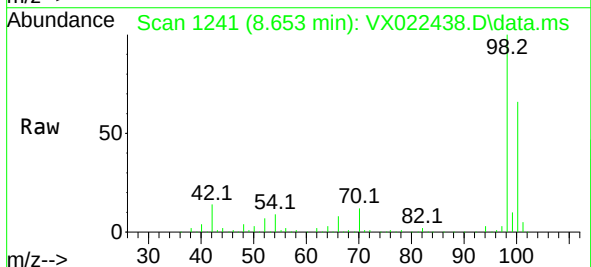
Acq: 05 Jun 2021 01:38

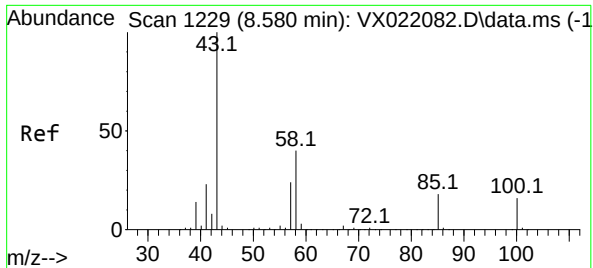
Tgt Ion: 98 Resp: 165097

Ion Ratio Lower Upper

98 100

100 66.3 51.9 77.9

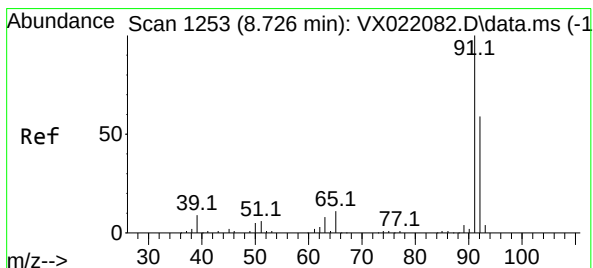
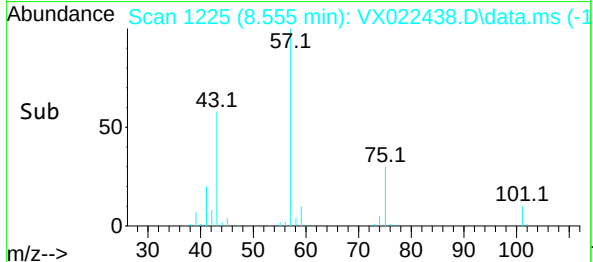
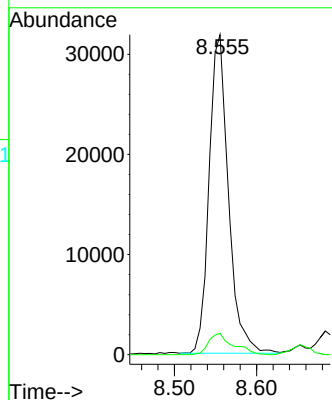
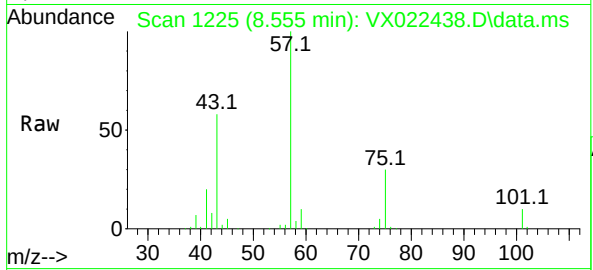




#51  
4-Methyl-2-Pentanone  
Concen: 35.327 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. -0.025 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

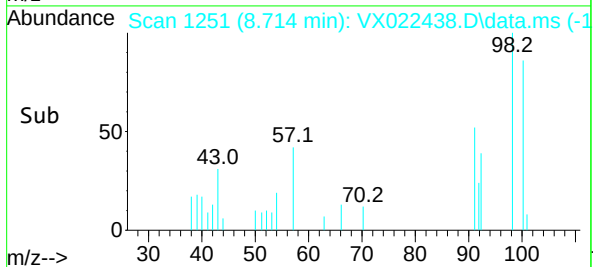
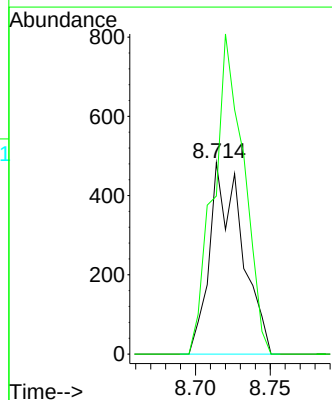
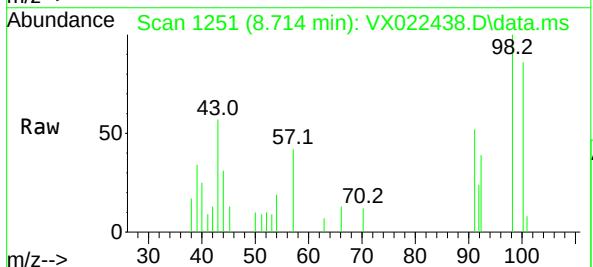
Instrument :  
MSVOA\_X  
ClientSampled :

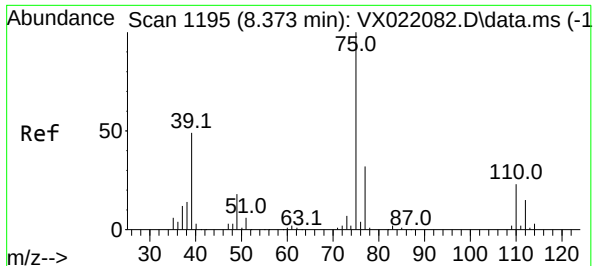
Tgt Ion: 43 Resp: 51872  
Ion Ratio Lower Upper  
43 100  
58 8.4 35.4 53.0#



#52  
Toluene  
Concen: 0.306 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.012 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion: 92 Resp: 729  
Ion Ratio Lower Upper  
92 100  
91 156.9 137.1 205.7

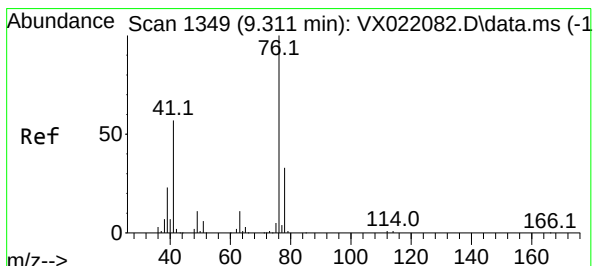
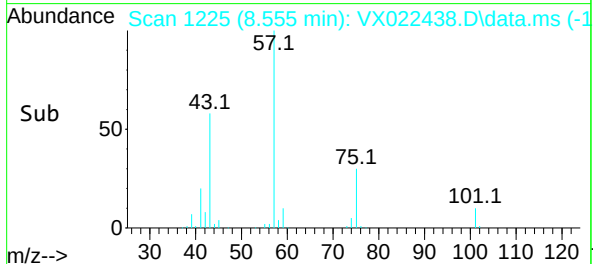
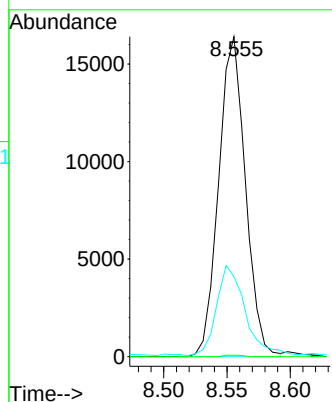
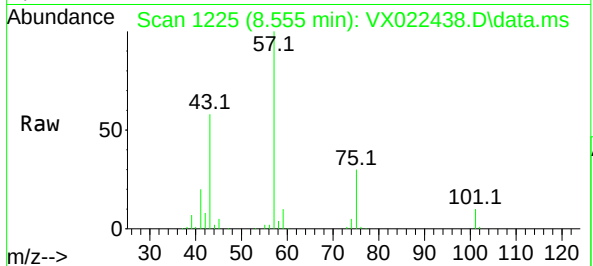




#54  
cis-1,3-Dichloropropene  
Concen: 14.889 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. 0.182 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

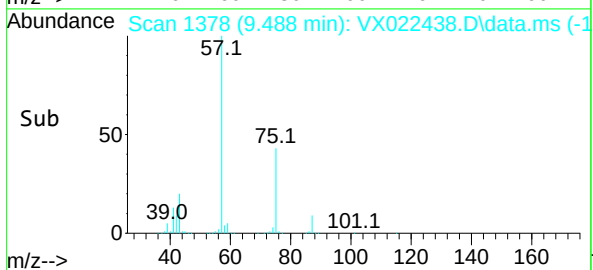
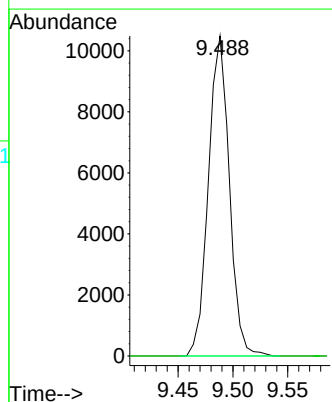
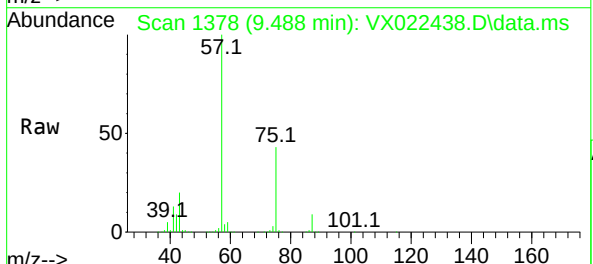
Instrument :  
MSVOA\_X  
ClientSampled :

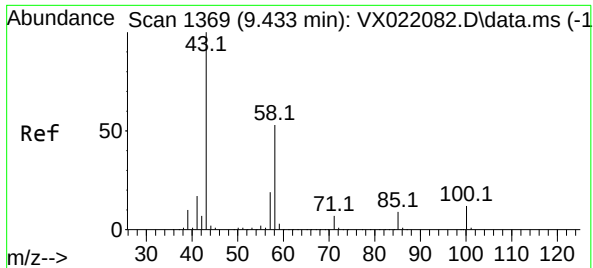
Tgt Ion: 75 Resp: 24070  
Ion Ratio Lower Upper  
75 100  
77 0.5 25.7 38.5#  
39 24.3 35.1 52.7#



#57  
1,3-Dichloropropane  
Concen: 8.430 ug/l  
RT: 9.488 min Scan# 1378  
Delta R.T. 0.177 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion: 76 Resp: 13919  
Ion Ratio Lower Upper  
76 100  
78 0.0 26.2 39.2#

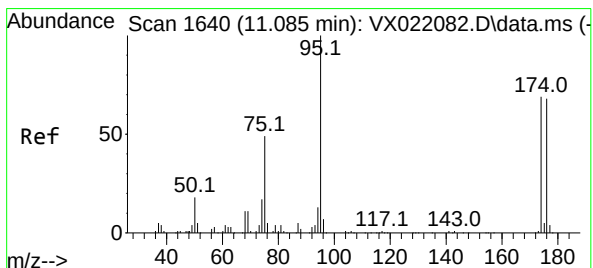
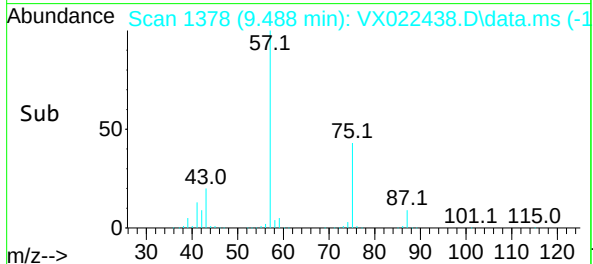
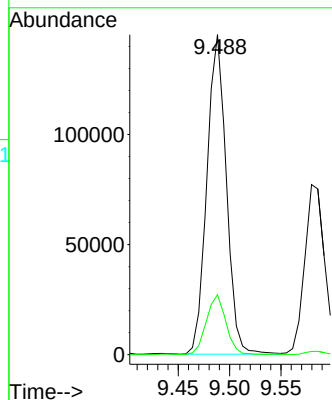
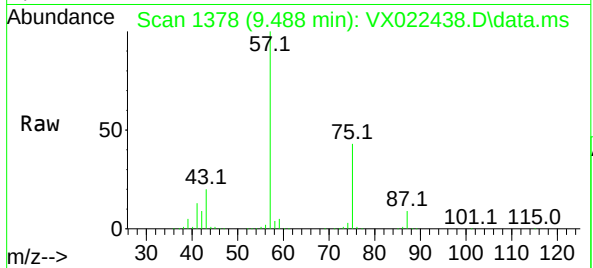




#59  
2-Hexanone  
Concen: 172.993 ug/l  
RT: 9.488 min Scan# 1378  
Delta R.T. 0.055 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

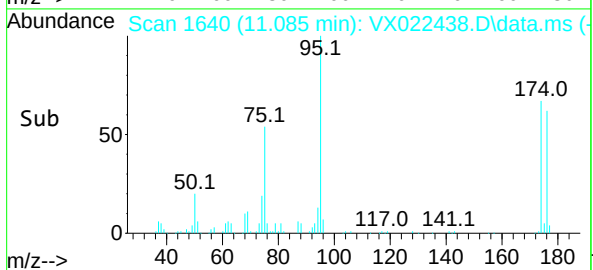
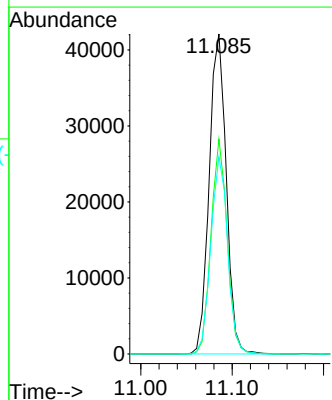
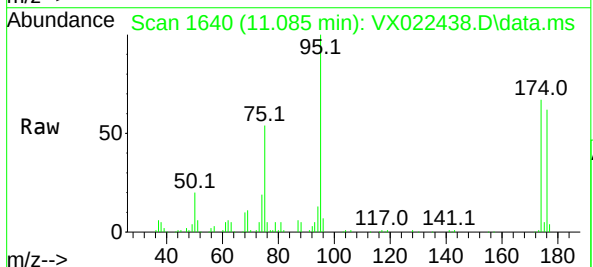
Instrument :  
MSVOA\_X  
ClientSampled :

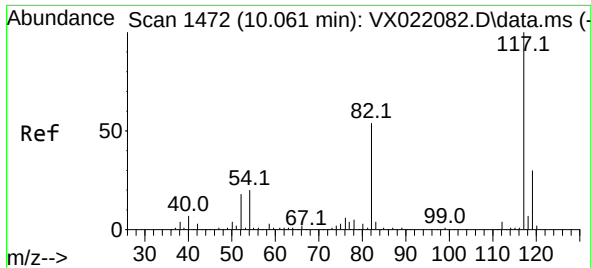
Tgt Ion: 43 Resp: 191045  
Ion Ratio Lower Upper  
43 100  
58 18.8 30.9 92.8#



#62  
4-Bromofluorobenzene  
Concen: 45.607 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion: 95 Resp: 54443  
Ion Ratio Lower Upper  
95 100  
174 63.6 0.0 154.6  
176 60.7 0.0 155.8

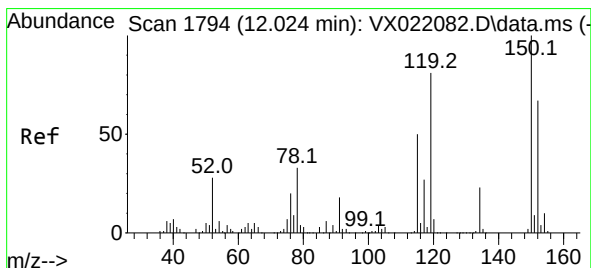
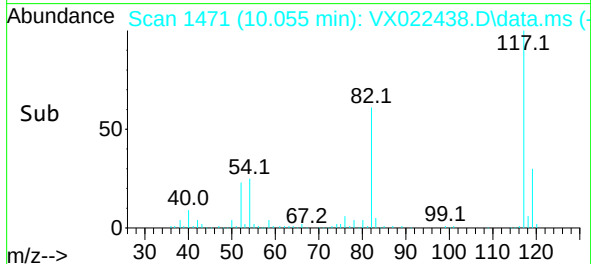
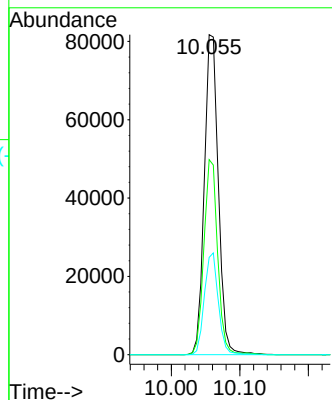
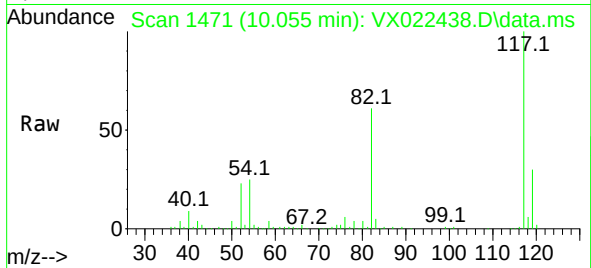




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

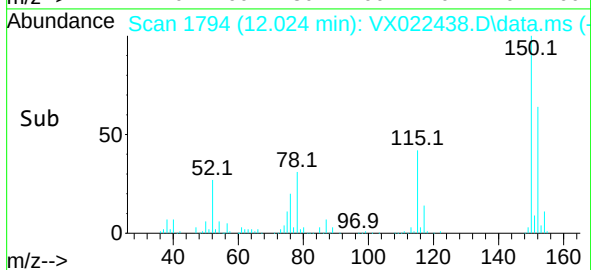
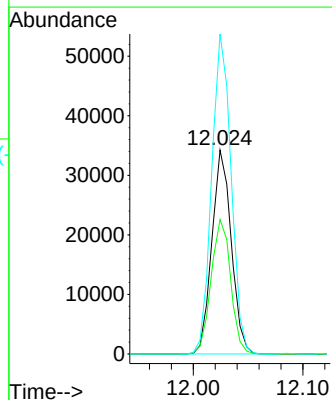
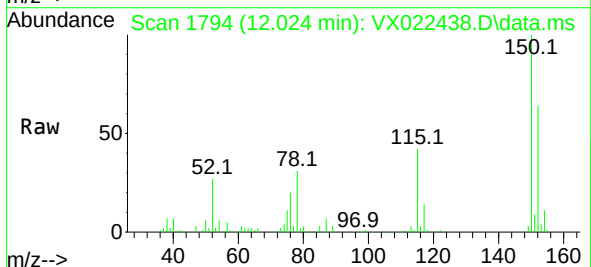
Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion:117 Resp: 116734  
Ion Ratio Lower Upper  
117 100  
82 61.0 47.4 71.2  
119 30.4 26.6 39.8

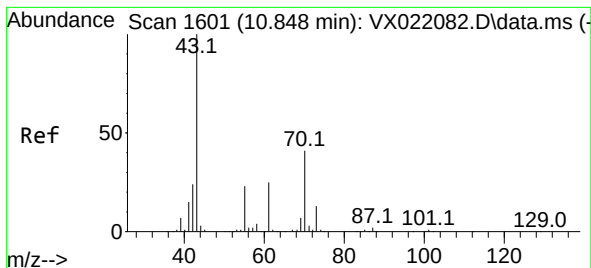


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion:152 Resp: 42140  
Ion Ratio Lower Upper  
152 100  
115 66.4 41.1 123.3  
150 156.8 0.0 349.0

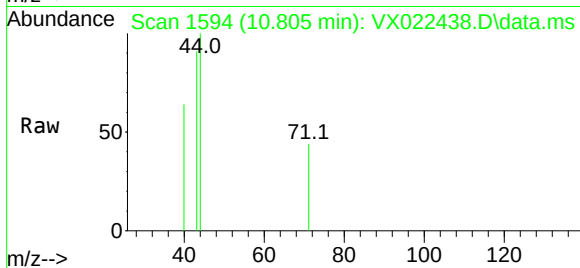




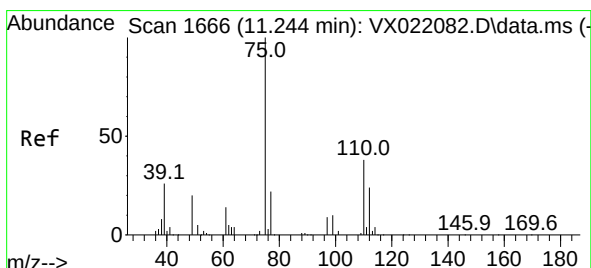
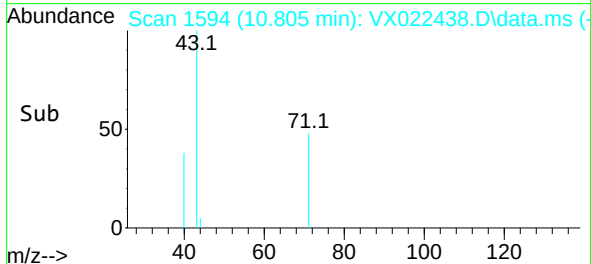
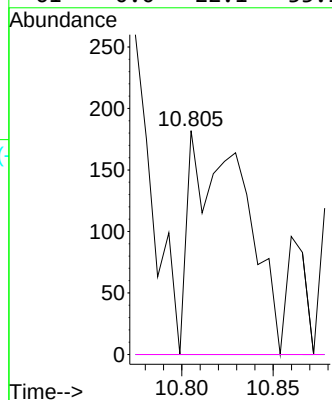


#74  
N-amy1 acetate  
Concen: 0.226 ug/l  
RT: 10.805 min Scan# 1594  
Delta R.T. -0.043 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Instrument :  
MSVOA\_X  
ClientSampled :

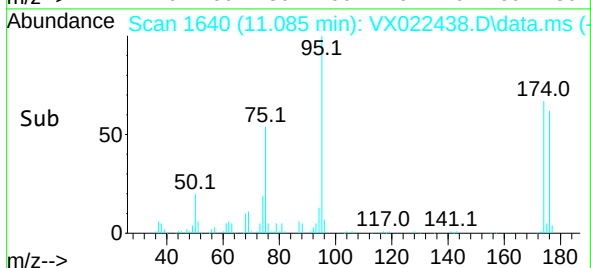
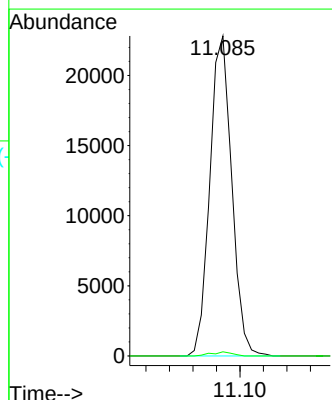
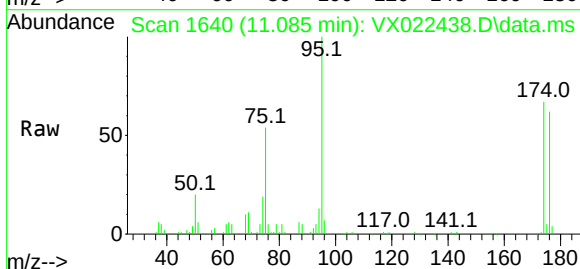


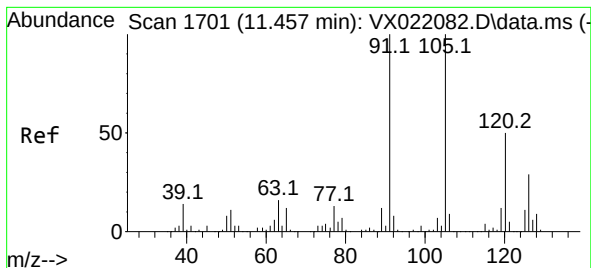
Tgt Ion: 43 Resp: 383  
Ion Ratio Lower Upper  
43 100  
70 0.0 39.0 58.6#  
55 0.0 21.5 32.3#  
61 0.0 22.1 33.1#



#76  
1,2,3-Trichloropropane  
Concen: 28.457 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion: 75 Resp: 29584  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#

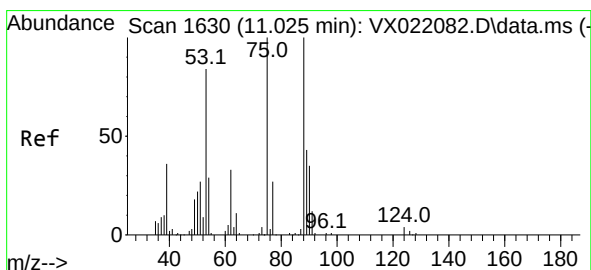
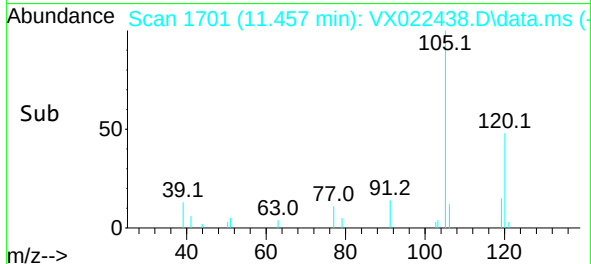
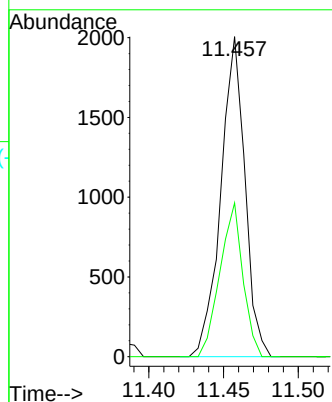
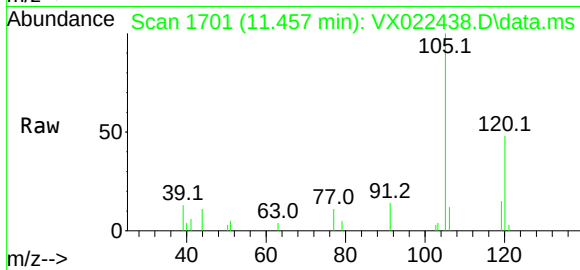




#80  
1,3,5-Trimethylbenzene  
Concen: 0.760 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion:105 Resp: 2248  
Ion Ratio Lower Upper  
105 100  
120 45.7 23.8 71.5



#81  
trans-1,4-Dichloro-2-butene  
Concen: 67.425 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.060 min  
Lab File: VX022438.D  
Acq: 05 Jun 2021 01:38

Tgt Ion: 75 Resp: 29584  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

