

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060421\  
 Data File : VX022448.D  
 Acq On : 05 Jun 2021 05:34  
 Operator : JC/MD  
 Sample : PB136806ZHE#15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 05 06:24:26 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

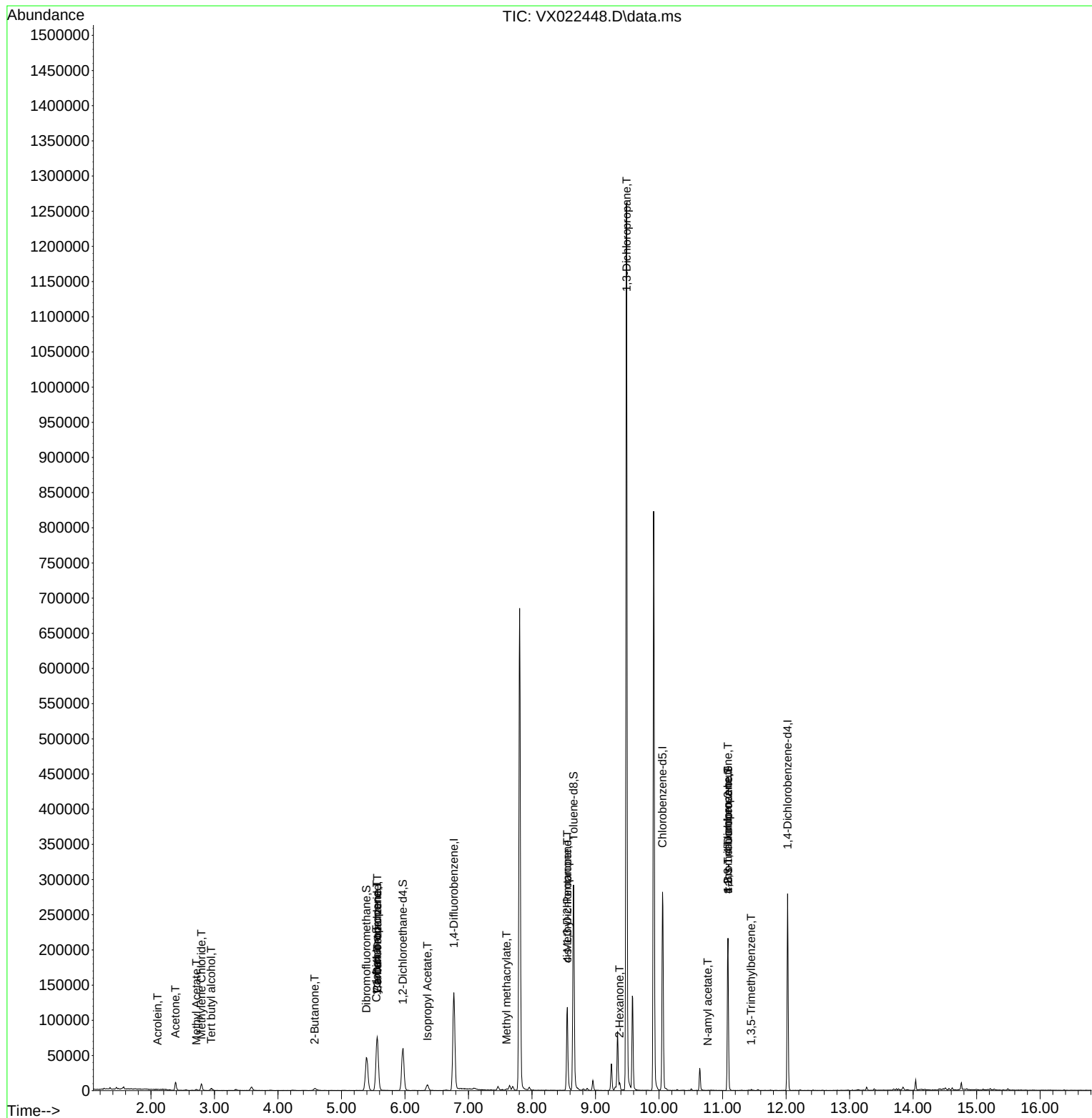
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 64636    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 133989   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 123651   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 48378    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 55345    | 55.508   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 111.020% |
| 35) Dibromofluoromethane      | 5.391  | 113   | 40097    | 47.190   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 94.380%  |
| 50) Toluene-d8                | 8.653  | 98    | 167950   | 51.312   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 102.620% |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 59259    | 48.982   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 97.960%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.946  | 59    | 1691     | 7.415    | ug/l # | 73       |
| 13) Acrolein                  | 2.105  | 56    | 66       | 0.436    | ug/l # | 79       |
| 16) Acetone                   | 2.386  | 43    | 12205    | 28.113   | ug/l   | 94       |
| 18) Methyl Acetate            | 2.715  | 43    | 2031     | 1.759    | ug/l # | 76       |
| 20) Methylene Chloride        | 2.794  | 84    | 3724     | 3.863    | ug/l # | 86       |
| 25) 2-Butanone                | 4.574  | 43    | 3334     | 4.747    | ug/l # | 87       |
| 31) Cyclohexane               | 5.550  | 56    | 1783     | 1.423    | ug/l # | 59       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 6763     | 5.458    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 7234     | 5.969    | ug/l # | 15       |
| 43) Isopropyl Acetate         | 6.354  | 43    | 11339    | 4.564    | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.598  | 41    | 3338     | 2.916    | ug/l # | 10       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43    | 41612    | 27.963   | ug/l # | 46       |
| 54) cis-1,3-Dichloropropene   | 8.555  | 75    | 18775    | 11.460   | ug/l # | 64       |
| 57) 1,3-Dichloropropane       | 9.488  | 76    | 10814    | 6.463    | ug/l # | 42       |
| 59) 2-Hexanone                | 9.378  | 43    | 4758     | 4.251    | ug/l # | 19       |
| 74) N-amyl acetate            | 10.768 | 43    | 514      | 0.264    | ug/l # | 38       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 31582    | 26.462   | ug/l # | 38       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105   | 726      | 0.214    | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 31582    | 62.697   | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

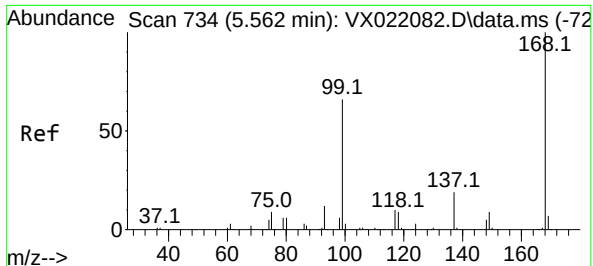
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060421\  
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Sample : PB136806ZHE#15  
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ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

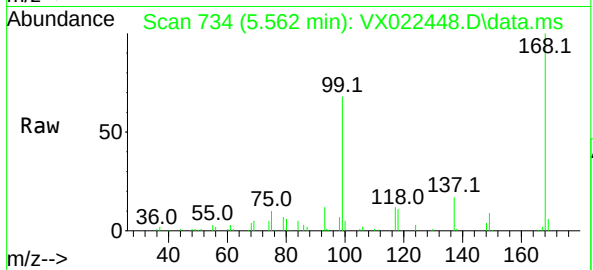
Quant Time: Jun 05 06:24:26 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 19 14:23:10 2021  
Response via : Initial Calibration



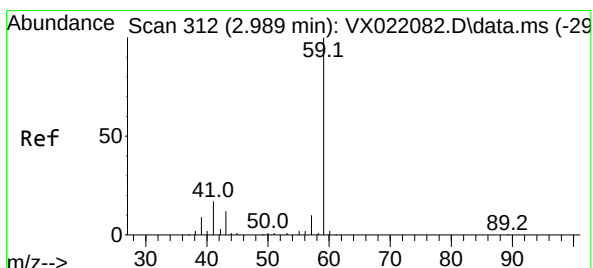
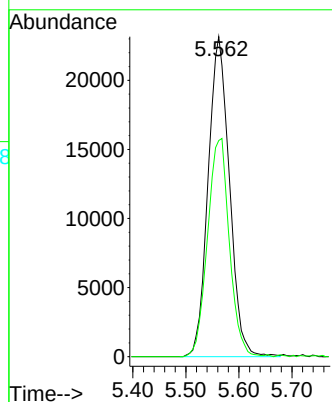
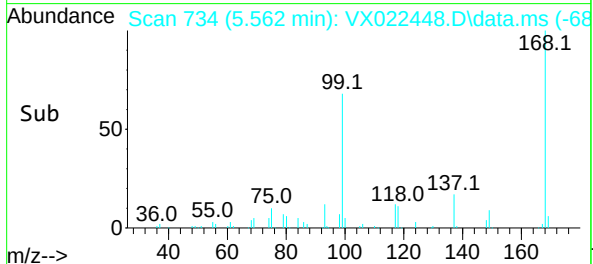


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

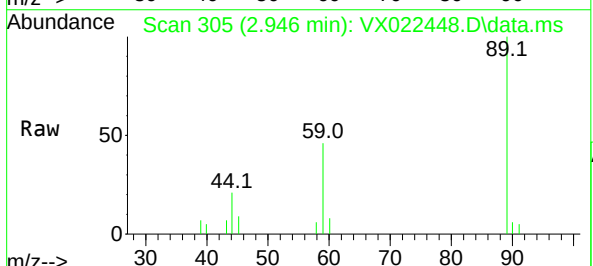
Instrument :  
MSVOA\_X  
ClientSampled :



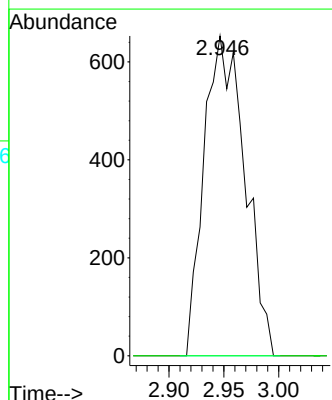
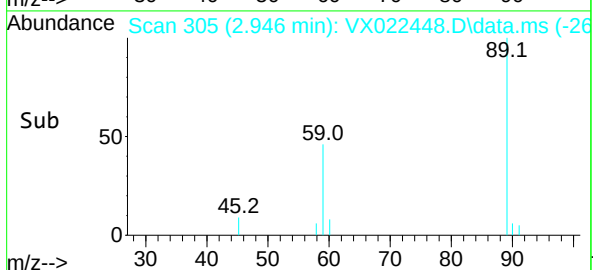
Tgt Ion:168 Resp: 64636  
Ion Ratio Lower Upper  
168 100  
99 67.6 45.8 68.6

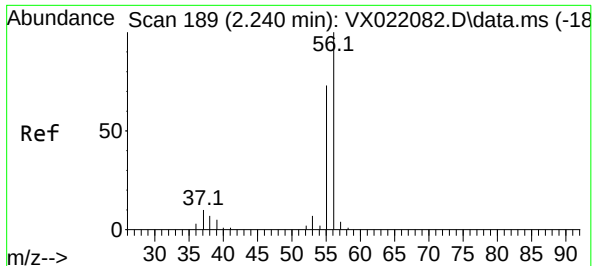


#11  
Tert butyl alcohol  
Concen: 7.415 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.043 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34



Tgt Ion: 59 Resp: 1691  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.436 ug/l

RT: 2.105 min Scan# 167

Delta R.T. -0.135 min

Lab File: VX022448.D

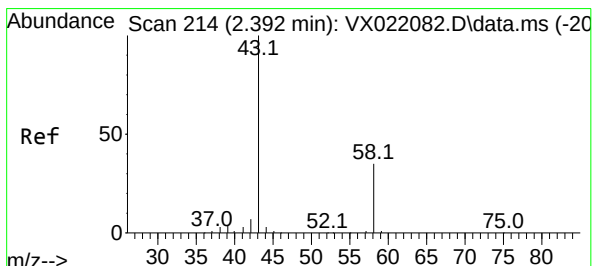
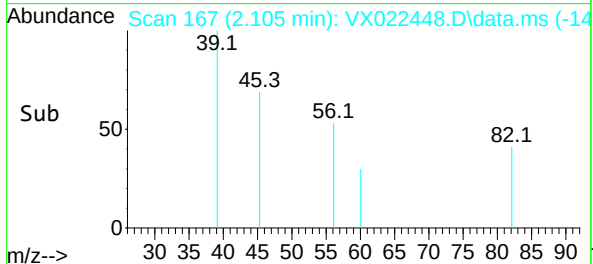
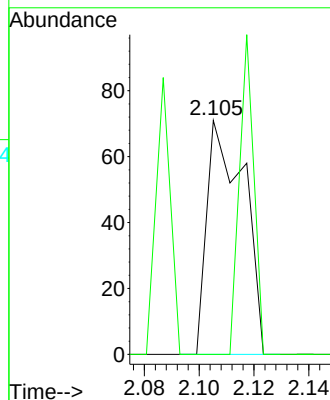
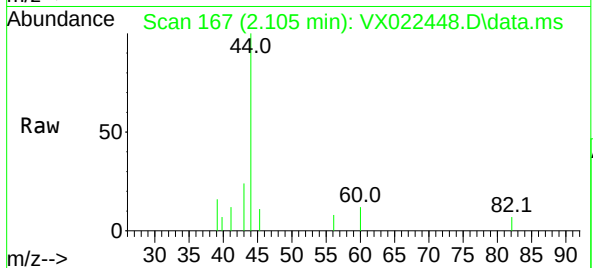
Acq: 05 Jun 2021 05:34

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 53.0 56.4 84.6#



#16

Acetone

Concen: 28.113 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX022448.D

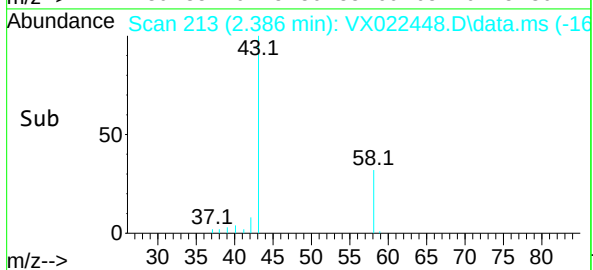
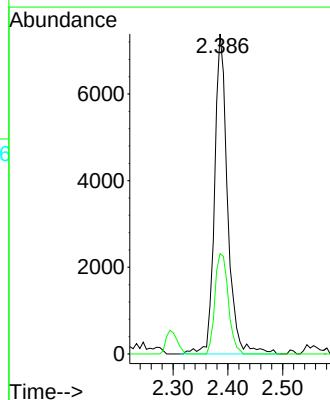
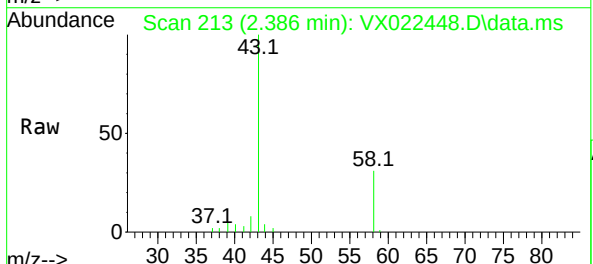
Acq: 05 Jun 2021 05:34

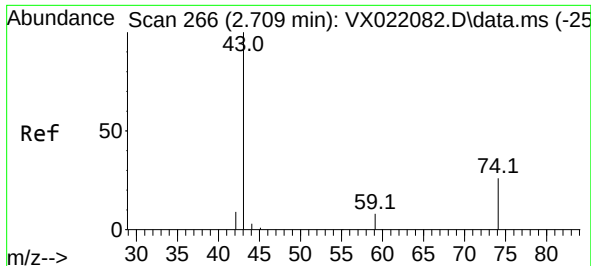
Tgt Ion: 43 Resp: 12205

Ion Ratio Lower Upper

43 100

58 31.3 27.8 41.8

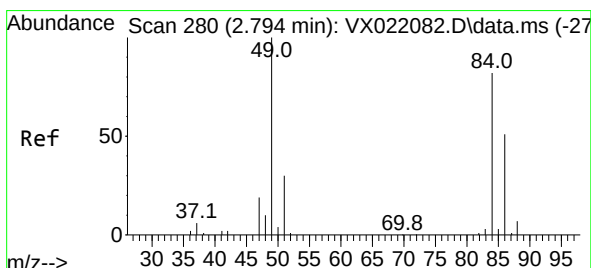
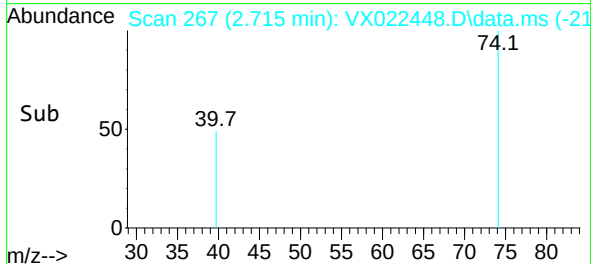
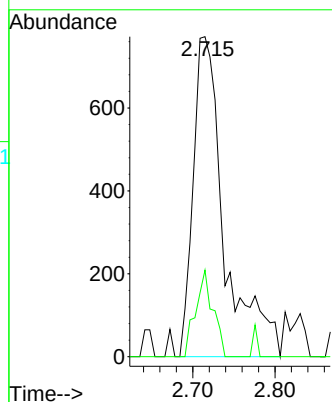
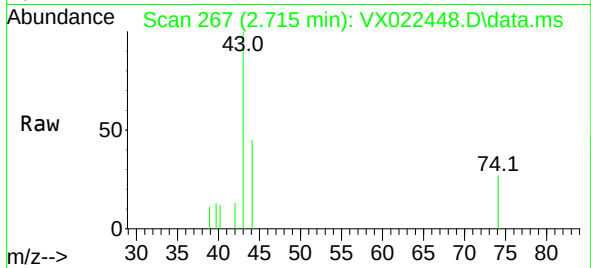




#18  
Methyl Acetate  
Concen: 1.759 ug/l  
RT: 2.715 min Scan# 267  
Delta R.T. 0.006 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

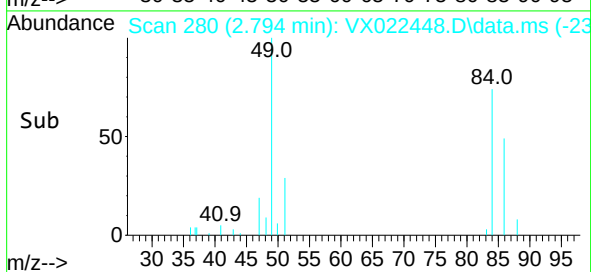
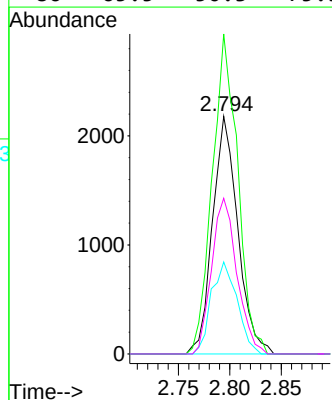
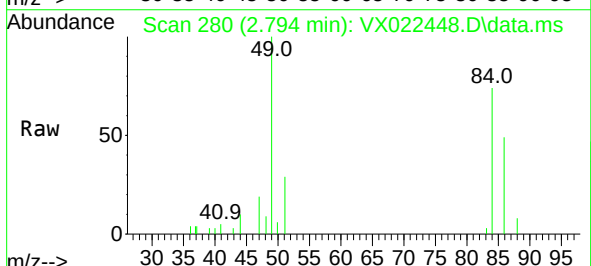
Instrument :  
MSVOA\_X  
ClientSampled :

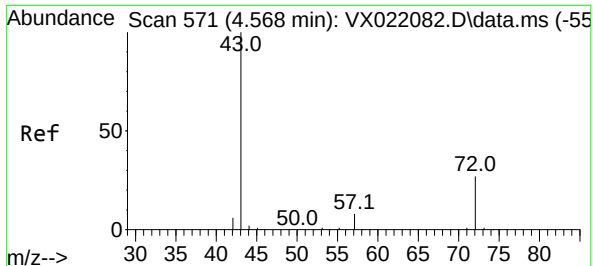
Tgt Ion: 43 Resp: 2031  
Ion Ratio Lower Upper  
43 100  
74 15.1 21.9 32.9#



#20  
Methylene Chloride  
Concen: 3.863 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

Tgt Ion: 84 Resp: 3724  
Ion Ratio Lower Upper  
84 100  
49 134.6 88.6 132.8#  
51 38.7 27.0 40.6  
86 65.5 50.3 75.5

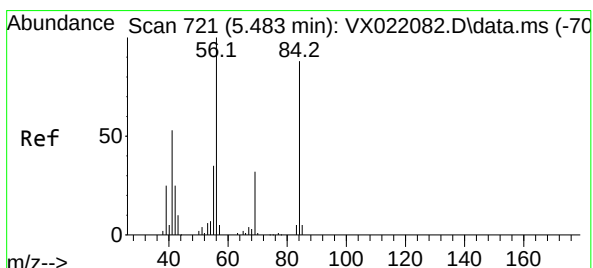
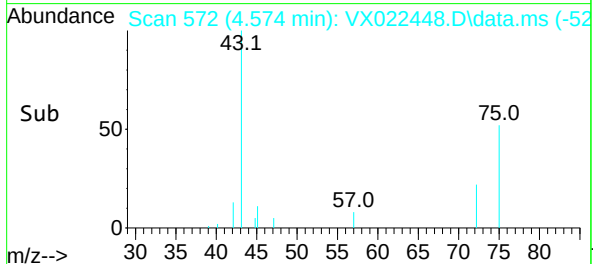
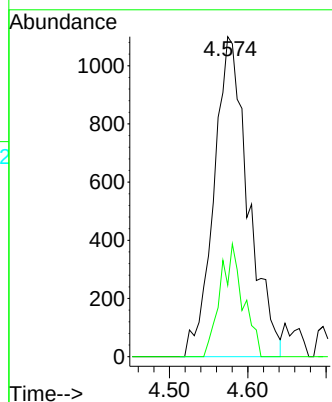
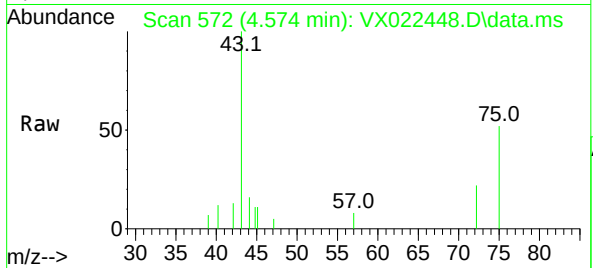




#25  
2-Butanone  
Concen: 4.747 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.006 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

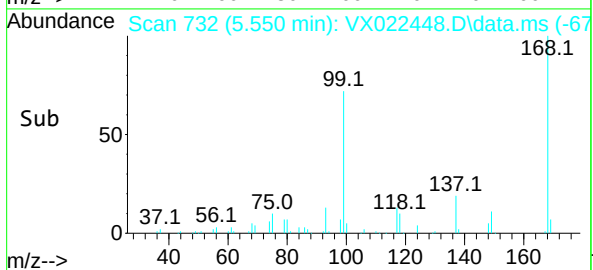
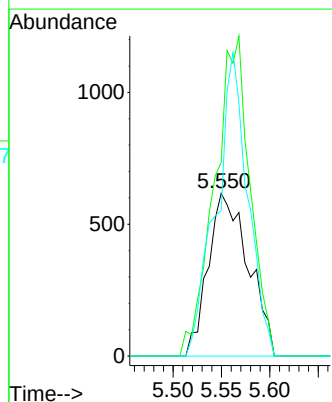
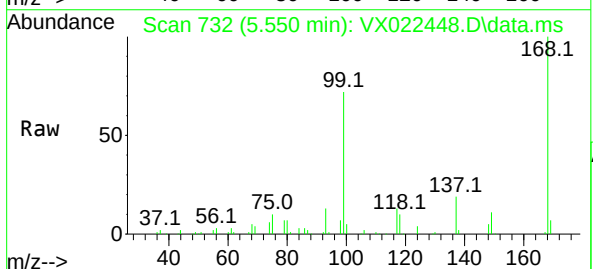
Instrument :  
MSVOA\_X  
ClientSampled :

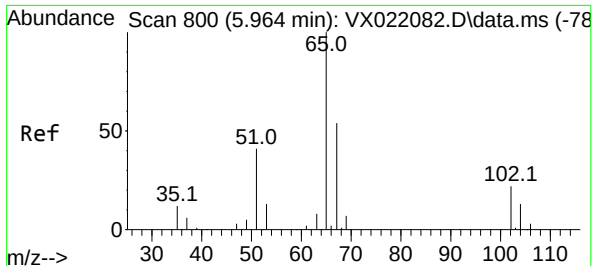
Tgt Ion: 43 Resp: 3334  
Ion Ratio Lower Upper  
43 100  
72 22.4 23.7 35.5#



#31  
Cyclohexane  
Concen: 1.423 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.067 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

Tgt Ion: 56 Resp: 1783  
Ion Ratio Lower Upper  
56 100  
69 119.0 25.3 37.9#  
84 89.5 71.4 107.0



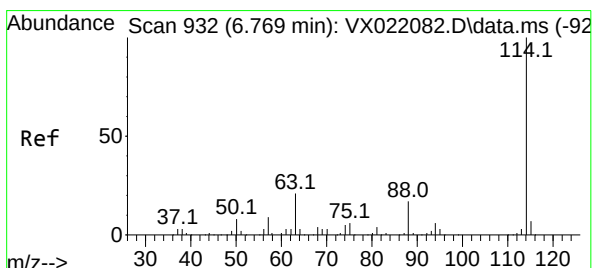
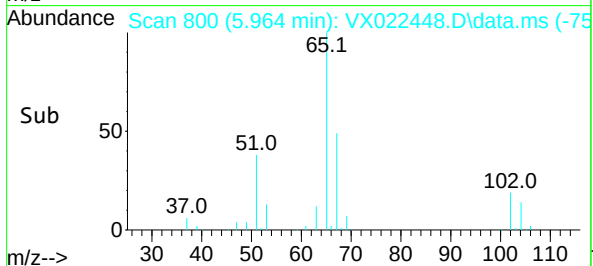
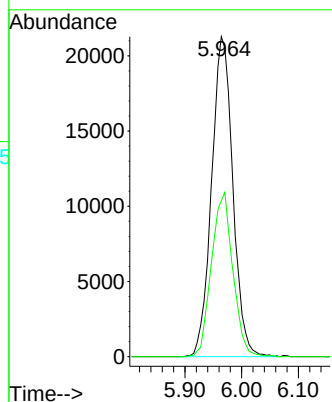
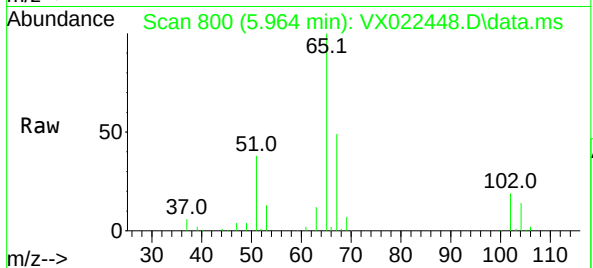


#33

1,2-Dichloroethane-d4  
Concen: 55.508 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

Instrument :  
MSVOA\_X  
ClientSampled :

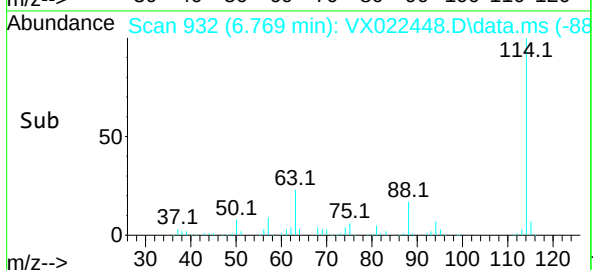
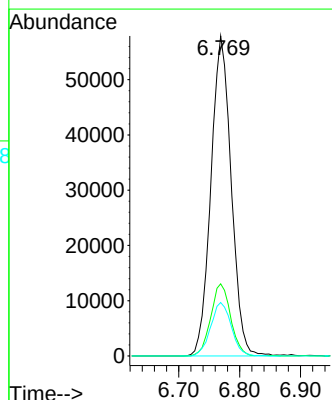
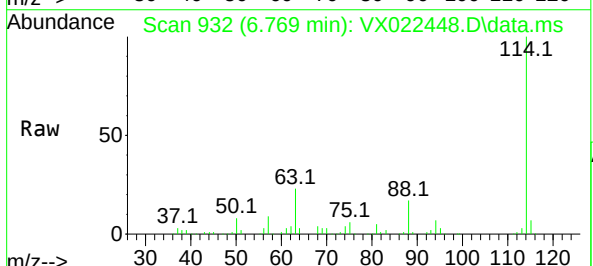
Tgt Ion: 65 Resp: 55345  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 105.4

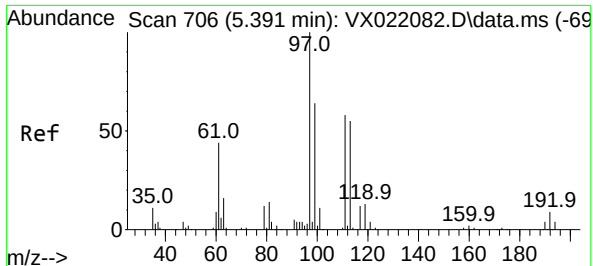


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

Tgt Ion: 114 Resp: 133989  
Ion Ratio Lower Upper  
114 100  
63 22.6 0.0 40.8  
88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.190 ug/l

RT: 5.391 min Scan# 706

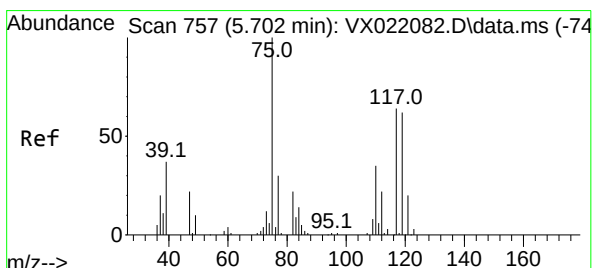
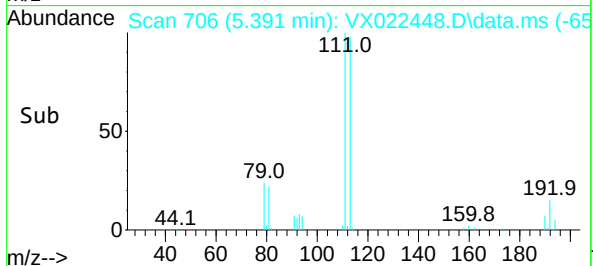
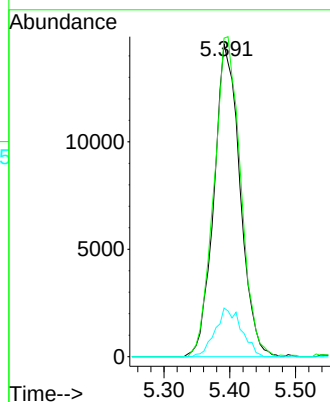
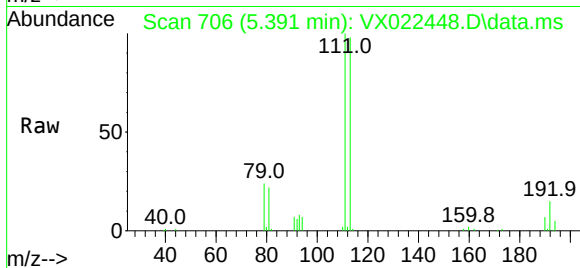
Delta R.T. 0.000 min

Lab File: VX022448.D

Acq: 05 Jun 2021 05:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 40097 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 105.0 | 81.9  | 122.9 |
| 192      | 15.7  | 16.7  | 25.1# |

Instrument :  
MSVOA\_X  
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.458 ug/l

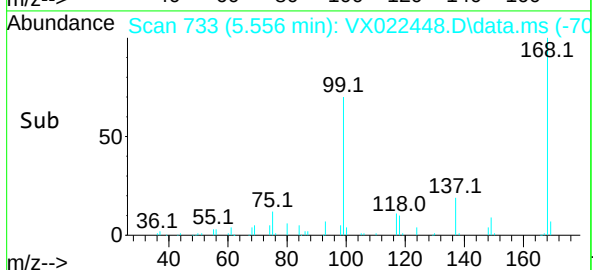
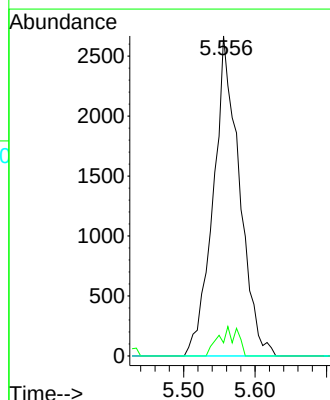
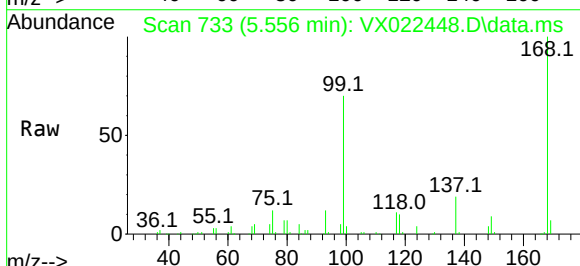
RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

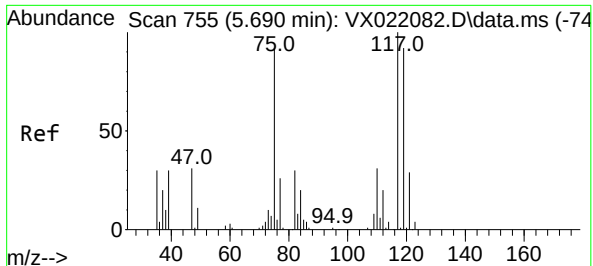
Lab File: VX022448.D

Acq: 05 Jun 2021 05:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6763  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 6.5   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |

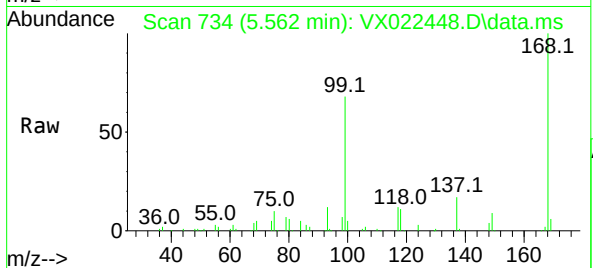




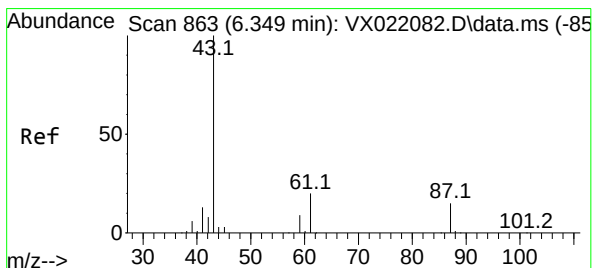
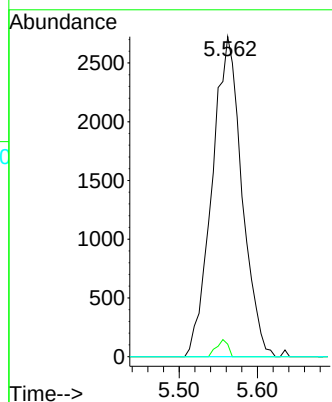
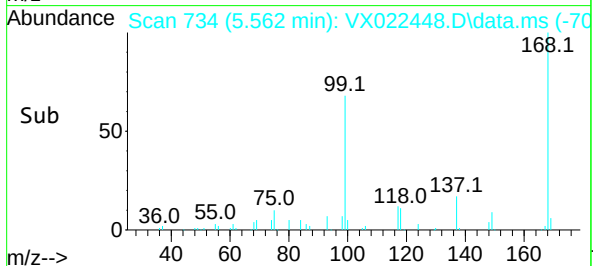


#38  
Carbon Tetrachloride  
Concen: 5.969 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

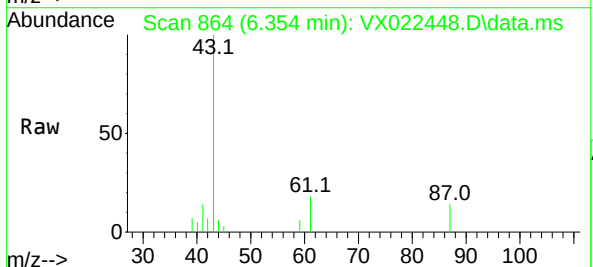
Instrument :  
MSVOA\_X  
ClientSampled :



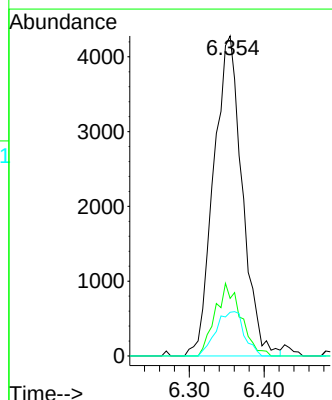
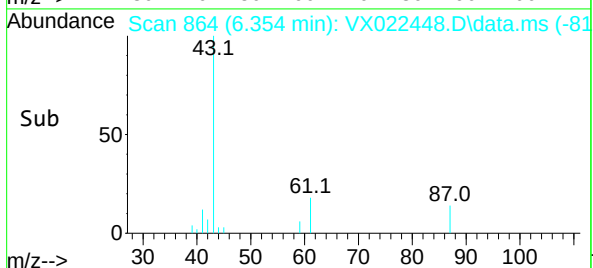
Tgt Ion:117 Resp: 7234  
Ion Ratio Lower Upper  
117 100  
119 3.9 76.2 114.2#  
121 0.0 24.8 37.2#

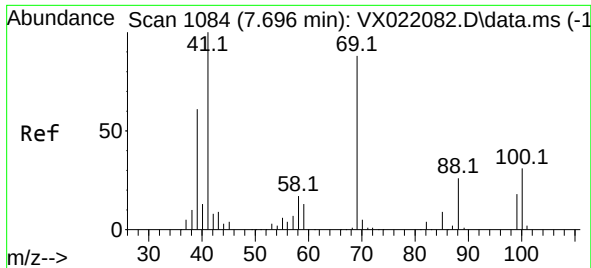


#43  
Isopropyl Acetate  
Concen: 4.564 ug/l  
RT: 6.354 min Scan# 864  
Delta R.T. 0.005 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34



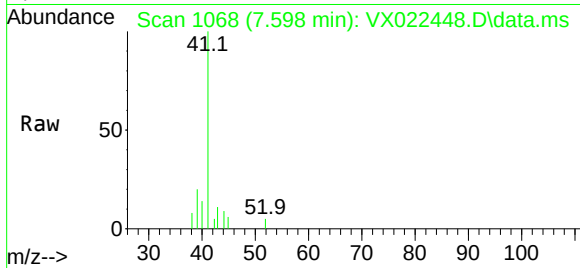
Tgt Ion: 43 Resp: 11339  
Ion Ratio Lower Upper  
43 100  
61 20.6 18.2 27.4  
87 13.7 12.5 18.7



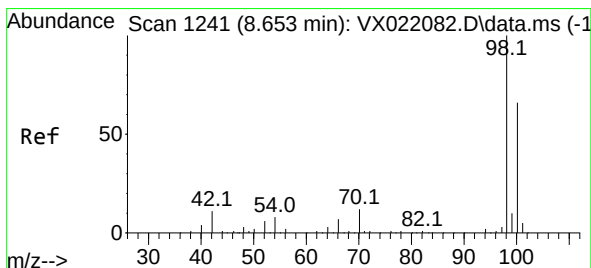
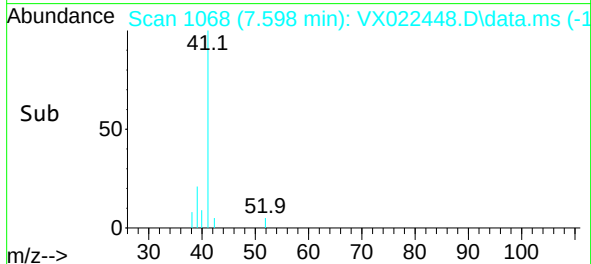
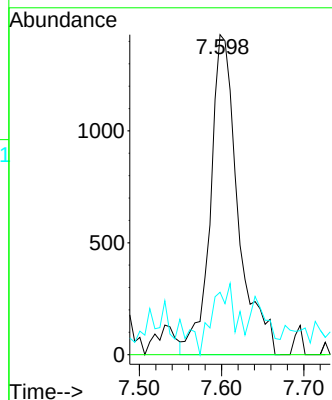


#48  
Methyl methacrylate  
Concen: 2.916 ug/l  
RT: 7.598 min Scan# 1068  
Delta R.T. -0.098 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

Instrument :  
MSVOA\_X  
ClientSampled :

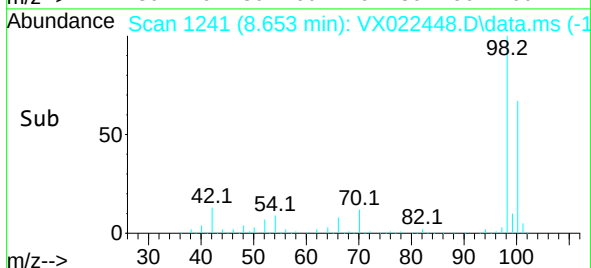
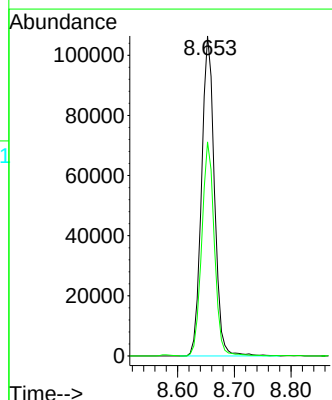
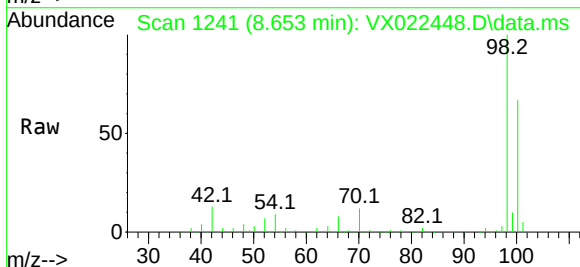


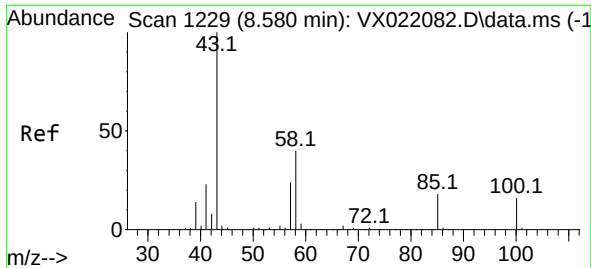
Tgt Ion: 41 Resp: 3338  
Ion Ratio Lower Upper  
41 100  
69 0.0 76.0 114.0#  
39 0.0 44.6 67.0#



#50  
Toluene-d8  
Concen: 51.312 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

Tgt Ion: 98 Resp: 167950  
Ion Ratio Lower Upper  
98 100  
100 65.6 51.9 77.9

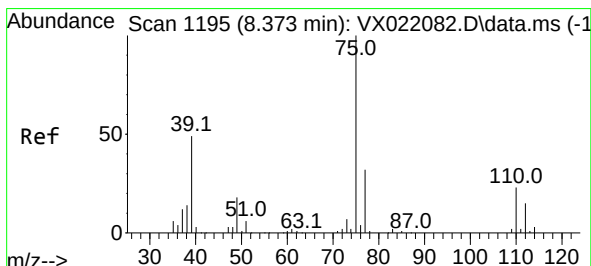
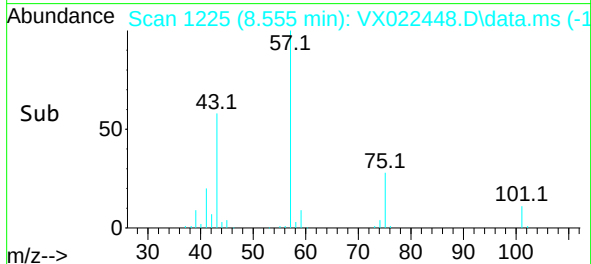
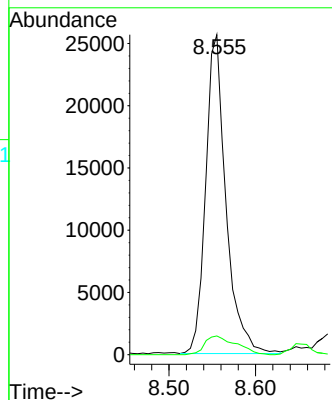
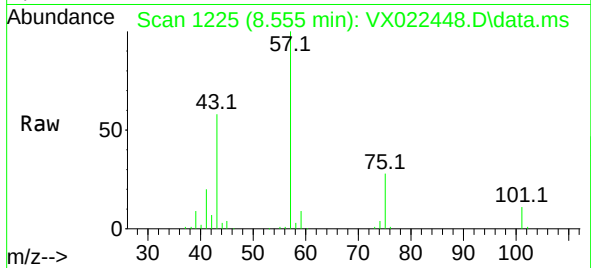




#51  
4-Methyl-2-Pentanone  
Concen: 27.963 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. -0.025 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

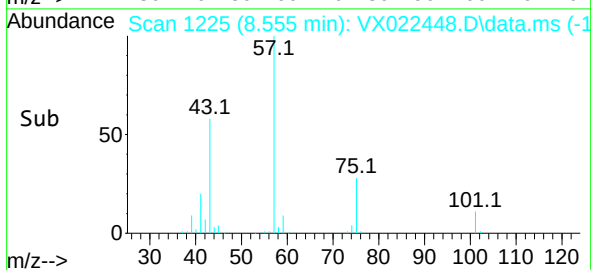
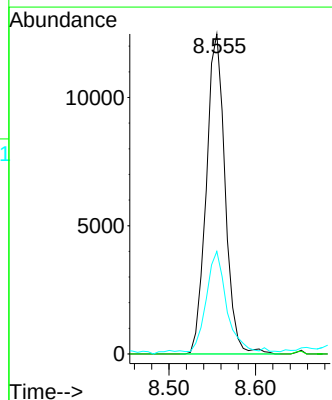
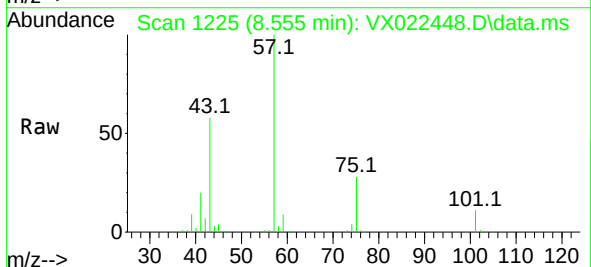
Instrument :  
MSVOA\_X  
ClientSampled :

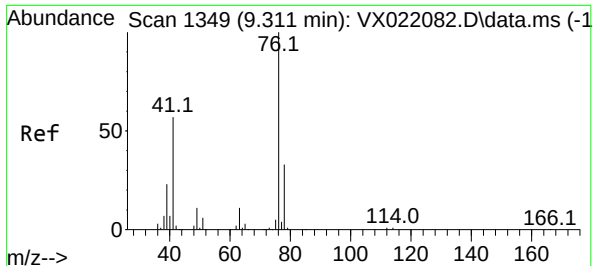
Tgt Ion: 43 Resp: 41612  
Ion Ratio Lower Upper  
43 100  
58 9.1 35.4 53.0#



#54  
cis-1,3-Dichloropropene  
Concen: 11.460 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. 0.182 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

Tgt Ion: 75 Resp: 18775  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.7 38.5#  
39 31.3 35.1 52.7#



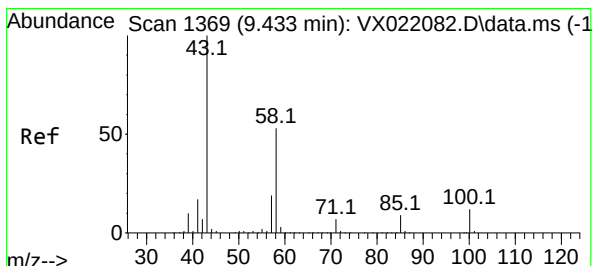
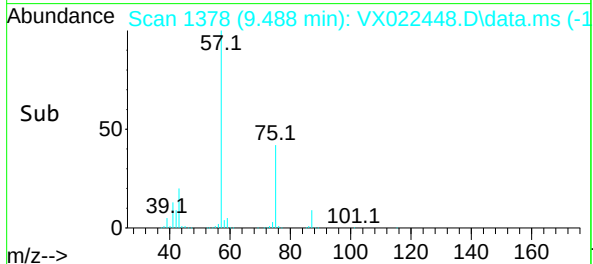
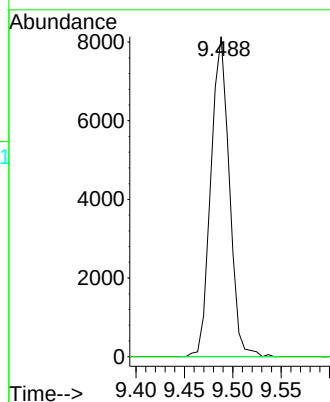
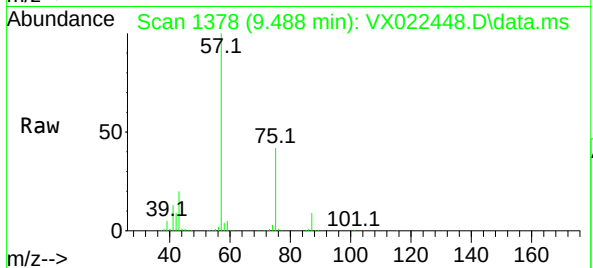


#57

1,3-Dichloropropane  
Concen: 6.463 ug/l  
RT: 9.488 min Scan# 1378  
Delta R.T. 0.177 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

Instrument :  
MSVOA\_X  
ClientSampled :

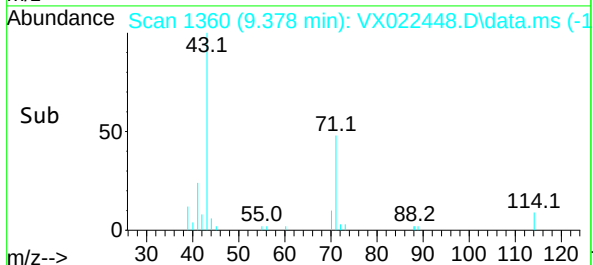
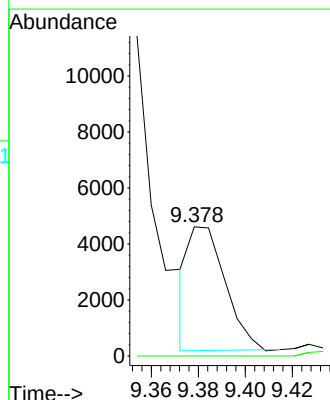
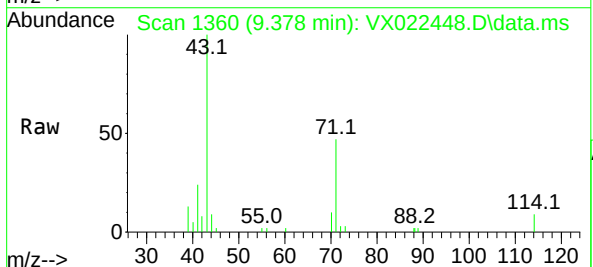
Tgt Ion: 76 Resp: 10814  
Ion Ratio Lower Upper  
76 100  
78 0.0 26.2 39.2#

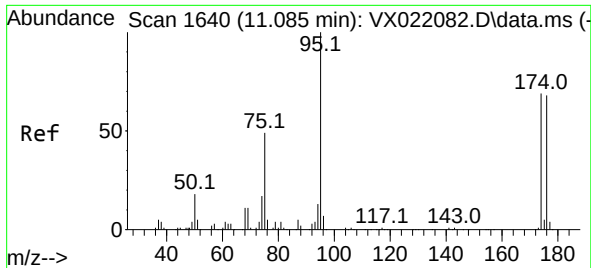


#59

2-Hexanone  
Concen: 4.251 ug/l  
RT: 9.378 min Scan# 1360  
Delta R.T. -0.055 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

Tgt Ion: 43 Resp: 4758  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.9 92.8#

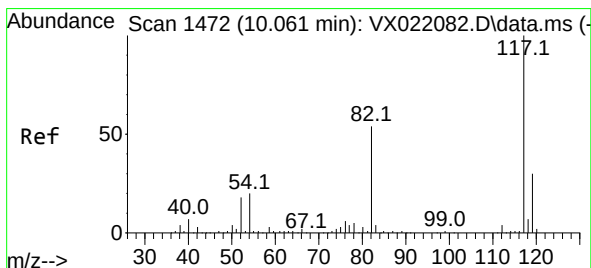
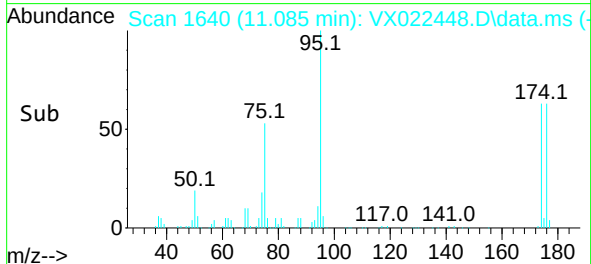
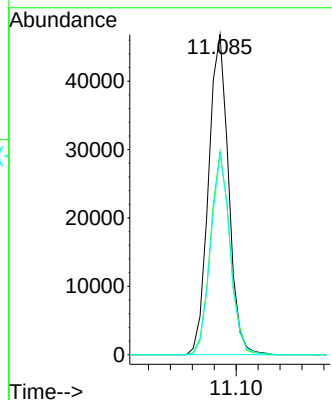
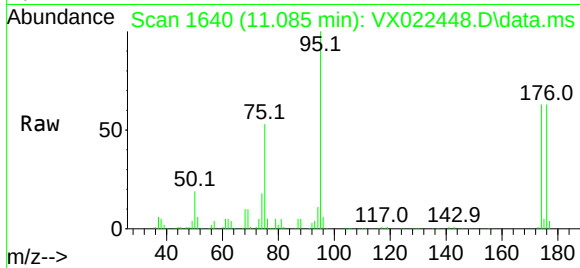




#62  
4-Bromofluorobenzene  
Concen: 48.982 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

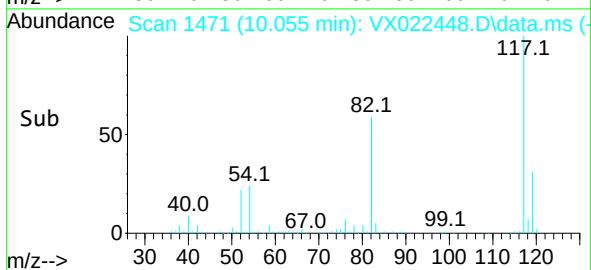
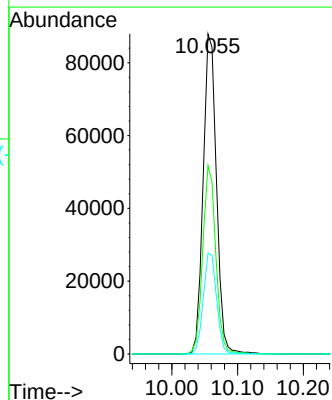
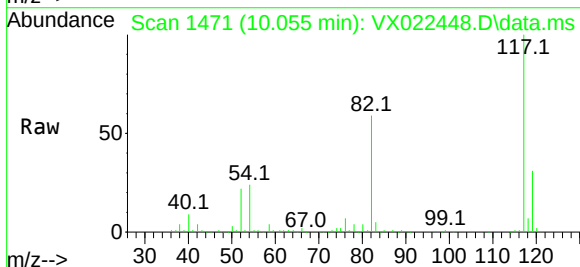
Instrument :  
MSVOA\_X  
ClientSampled :

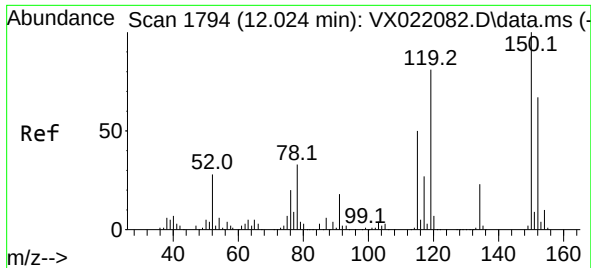
Tgt Ion: 95 Resp: 59259  
Ion Ratio Lower Upper  
95 100  
174 62.3 0.0 154.6  
176 60.9 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX022448.D  
Acq: 05 Jun 2021 05:34

Tgt Ion: 117 Resp: 123651  
Ion Ratio Lower Upper  
117 100  
82 58.9 47.4 71.2  
119 31.5 26.6 39.8

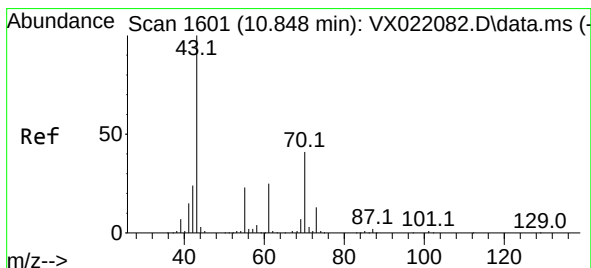
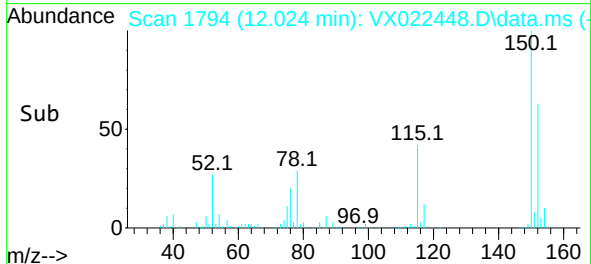
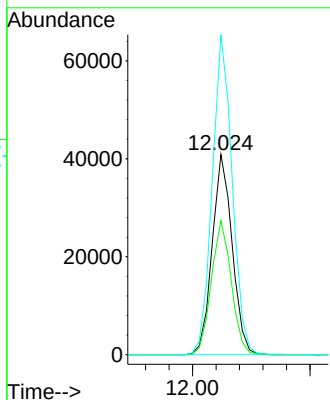
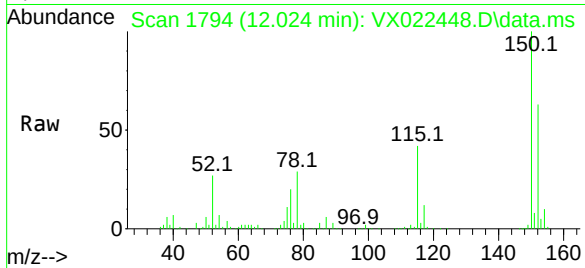




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX022448.D  
 Acq: 05 Jun 2021 05:34

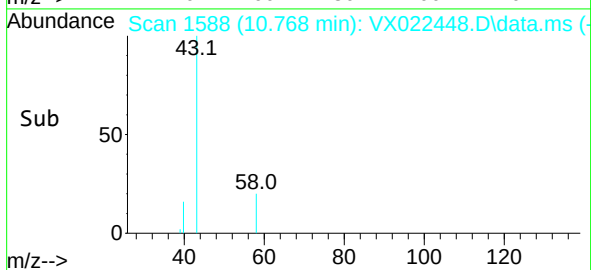
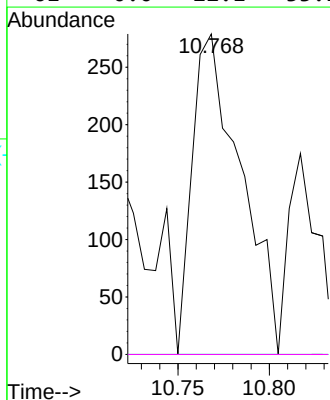
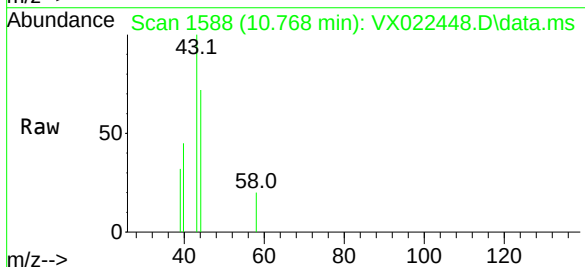
Instrument :  
 MSVOA\_X  
 ClientSampled :

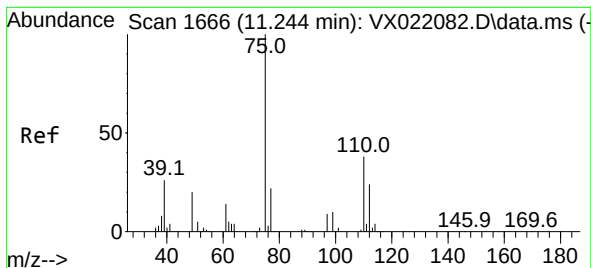
Tgt Ion:152 Resp: 48378  
 Ion Ratio Lower Upper  
 152 100  
 115 66.7 41.1 123.3  
 150 159.3 0.0 349.0



#74  
 N-ethyl acetate  
 Concen: 0.264 ug/l  
 RT: 10.768 min Scan# 1588  
 Delta R.T. -0.080 min  
 Lab File: VX022448.D  
 Acq: 05 Jun 2021 05:34

Tgt Ion: 43 Resp: 514  
 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: 26.462 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX022448.D

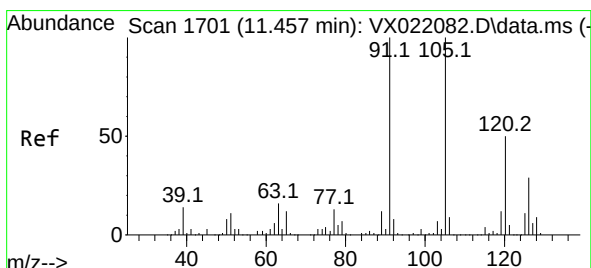
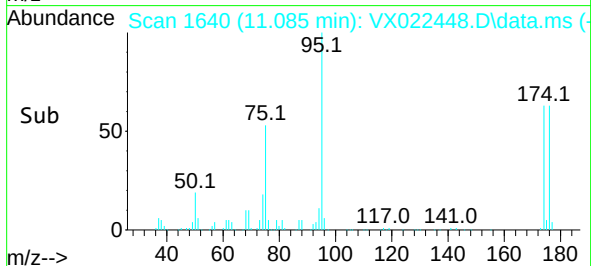
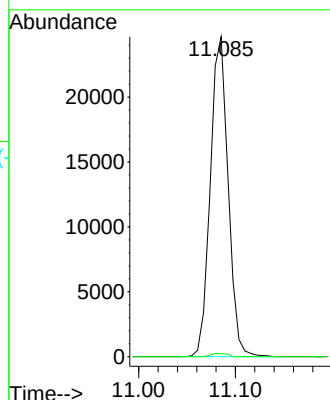
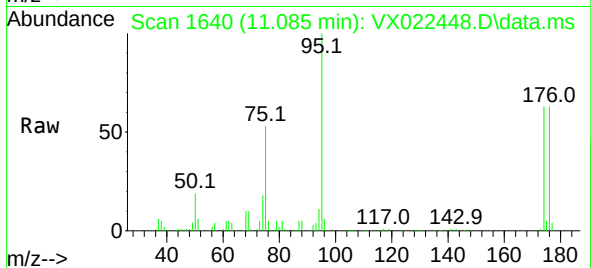
Acq: 05 Jun 2021 05:34

Tgt Ion: 75 Resp: 31582

Ion Ratio Lower Upper

75 100  
77 0.9 19.1 57.5#

Instrument :  
MSVOA\_X  
ClientSampled :



#80

1,3,5-Trimethylbenzene

Concen: 0.214 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.006 min

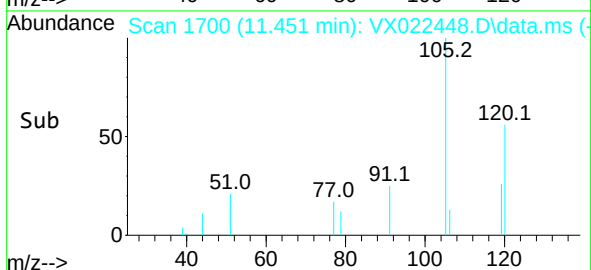
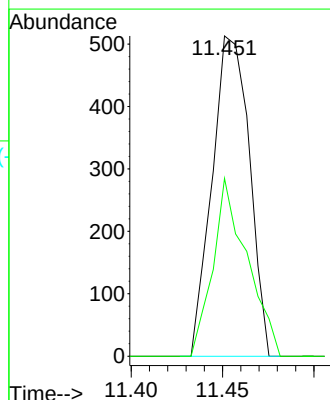
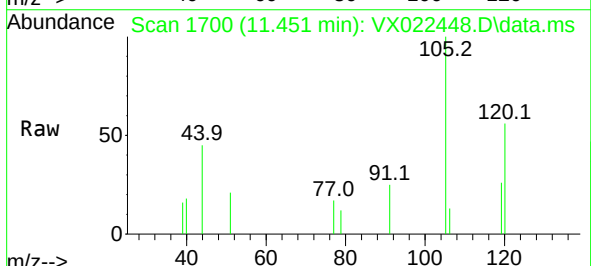
Lab File: VX022448.D

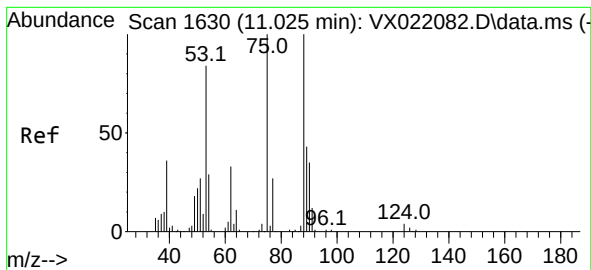
Acq: 05 Jun 2021 05:34

Tgt Ion: 105 Resp: 726

Ion Ratio Lower Upper

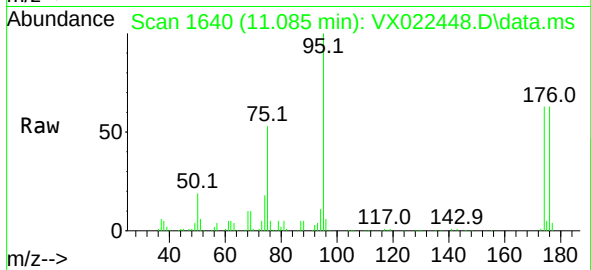
105 100  
120 51.1 23.8 71.5





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 62.697 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. 0.060 min  
 Lab File: VX022448.D  
 Acq: 05 Jun 2021 05:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 31582  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.5 111.7#  
 89 0.0 37.9 56.9#

