

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112421\  
 Data File : VX025334.D  
 Acq On : 24 Nov 2021 18:09  
 Operator : JC/MD  
 Sample : M4838-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 26 10:37:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

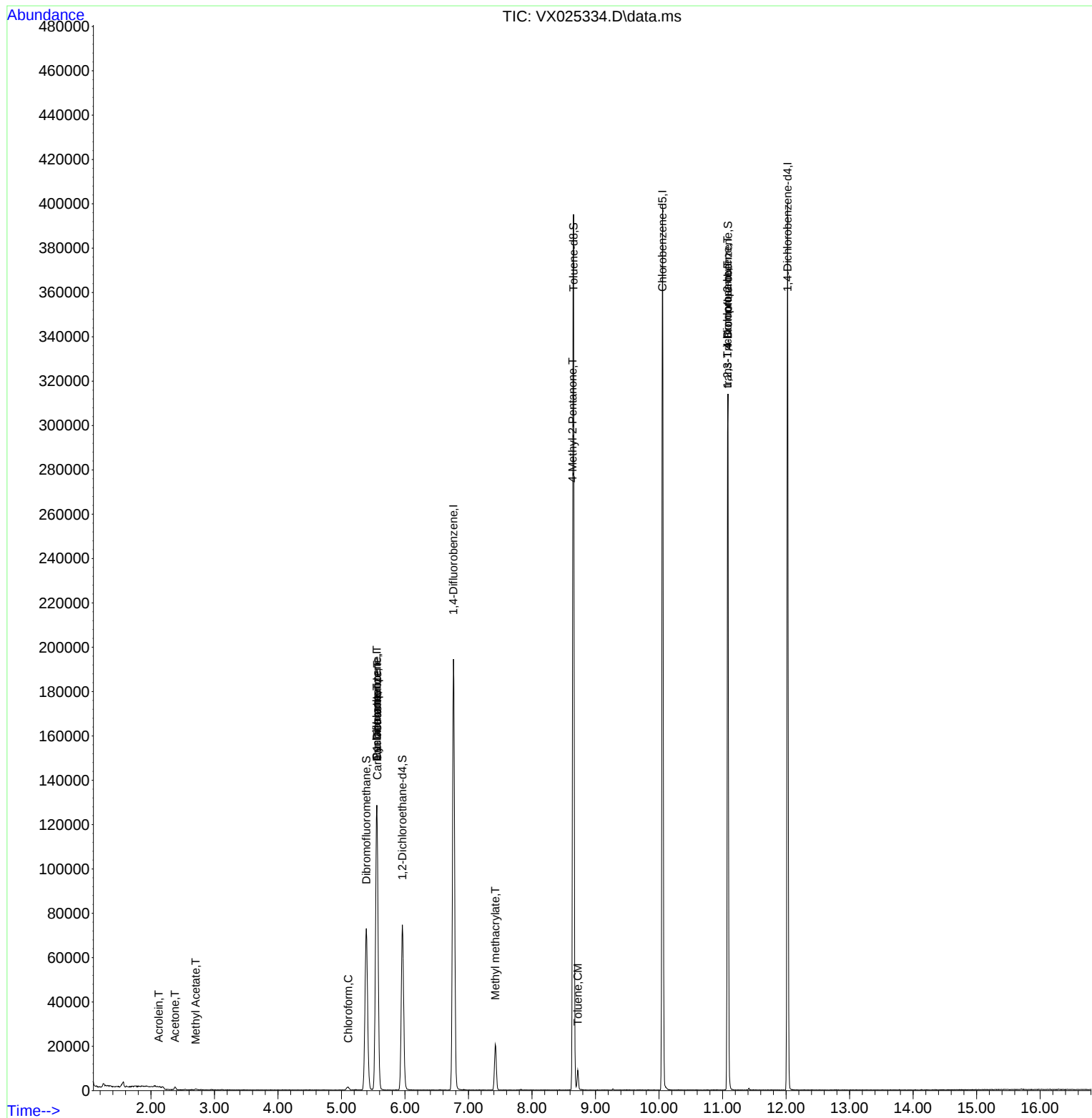
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 132682   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 210254   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 187403   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 84704    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 68710    | 49.129    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 98.260%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 62956    | 48.801    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 97.600%  |
| 50) Toluene-d8                | 8.653  | 98    | 239480   | 49.373    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 98.740%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 84153    | 45.861    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 91.720%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 2.953  | 59    | 211      | Below Cal | #      | 72       |
| 13) Acrolein                  | 2.124  | 56    | 68       | 1.061     | ug/l   | 88       |
| 16) Acetone                   | 2.380  | 43    | 1413     | 1.818     | ug/l # | 74       |
| 18) Methyl Acetate            | 2.703  | 43    | 743      | 0.299     | ug/l # | 74       |
| 30) Chloroform                | 5.105  | 83    | 1811     | 0.751     | ug/l   | 94       |
| 31) Cyclohexane               | 5.556  | 56    | 2400     | 1.110     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 8823     | 4.810     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 12362    | 6.118     | ug/l # | 15       |
| 48) Methyl methacrylate       | 7.421  | 41    | 4865     | 2.984     | ug/l # | 39       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 1012     | 0.465     | ug/l # | 1        |
| 52) Toluene                   | 8.720  | 92    | 3400     | 0.937     | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 40153    | 23.149    | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 40153    | 58.316    | ug/l # | 9        |
| -----                         |        |       |          |           |        |          |

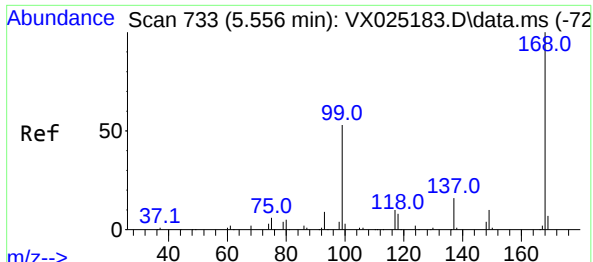
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 21 Sample Multiplier: 1

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MSVOA\_X  
ClientSampleId :

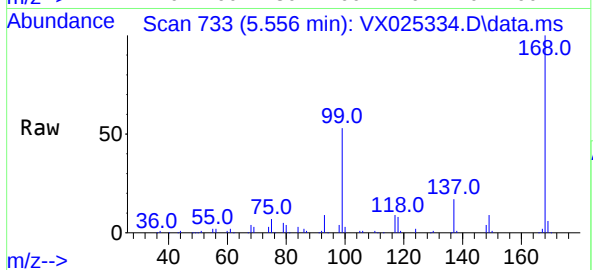
Quant Time: Nov 26 10:37:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 17 15:36:16 2021  
Response via : Initial Calibration



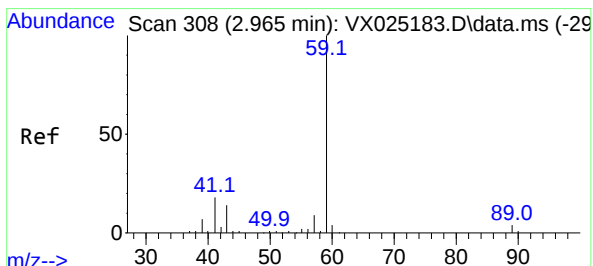
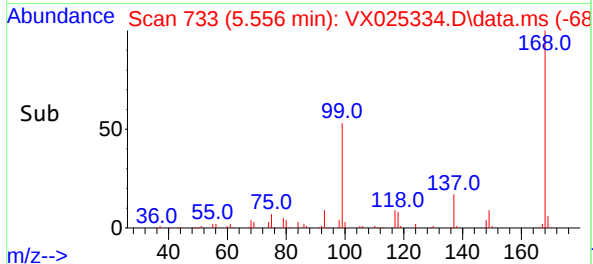
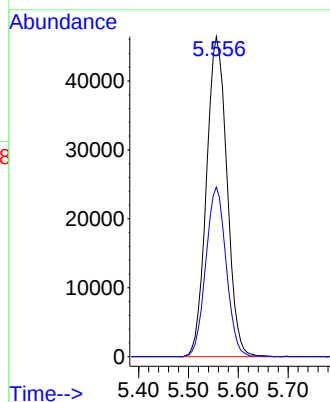


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

Instrument :  
MSVOA\_X  
ClientSampleId :

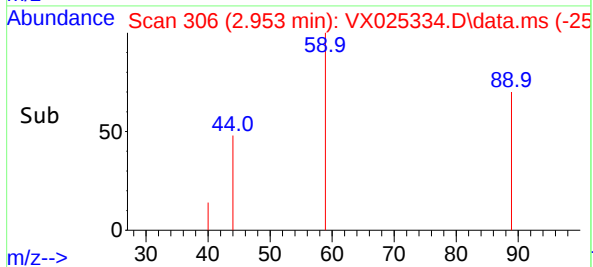
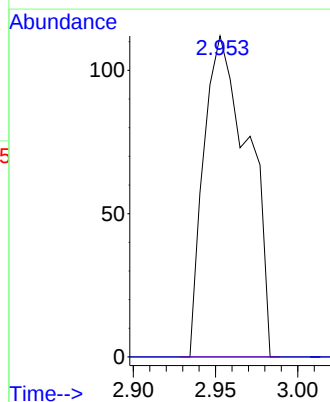
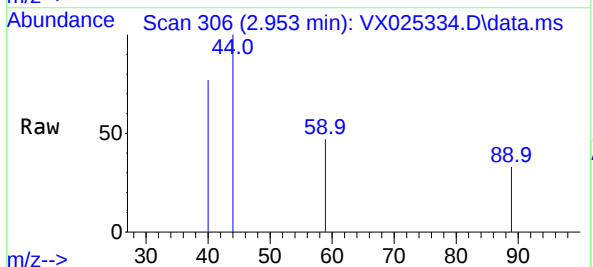


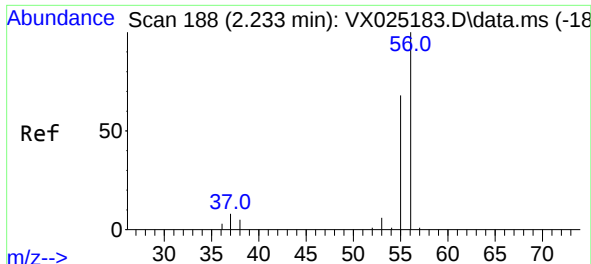
Tgt Ion:168 Resp: 132682  
Ion Ratio Lower Upper  
168 100  
99 53.0 46.4 69.6



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.953 min Scan# 306  
Delta R.T. -0.012 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

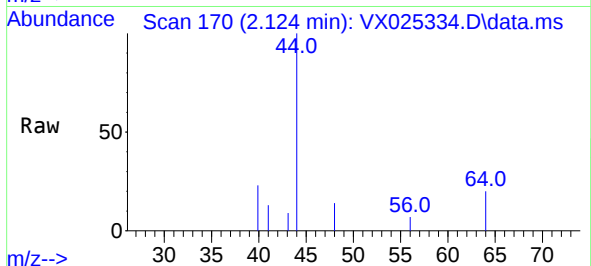
Tgt Ion: 59 Resp: 211  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#



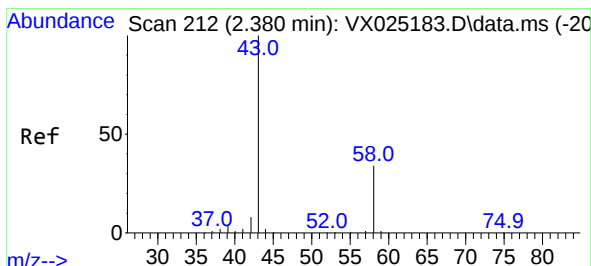
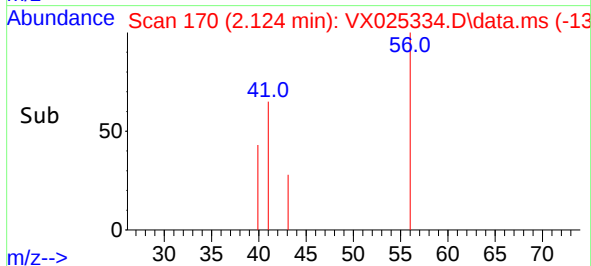
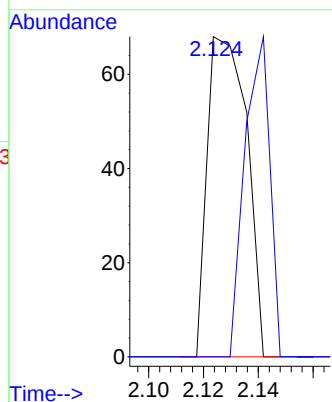


#13  
Acrolein  
Concen: 1.061 ug/l  
RT: 2.124 min Scan# 11  
Delta R.T. -0.109 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

Instrument :  
MSVOA\_X  
ClientSampleId :

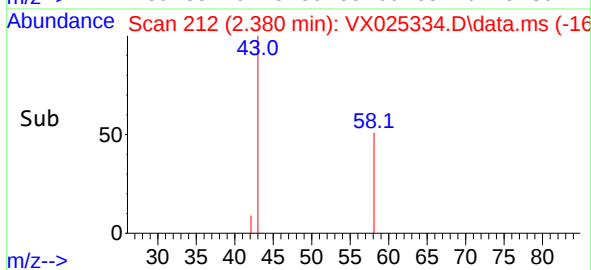
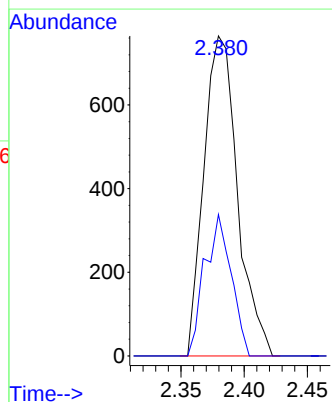
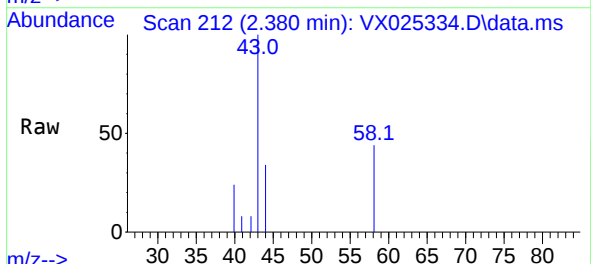


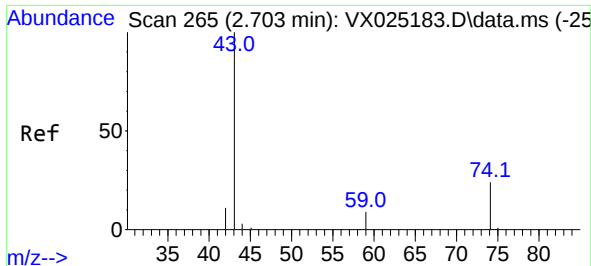
Tgt Ion: 56 Resp: 68  
Ion Ratio Lower Upper  
56 100  
55 63.2 58.6 87.8



#16  
Acetone  
Concen: 1.818 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

Tgt Ion: 43 Resp: 1413  
Ion Ratio Lower Upper  
43 100  
58 44.2 24.0 36.0#

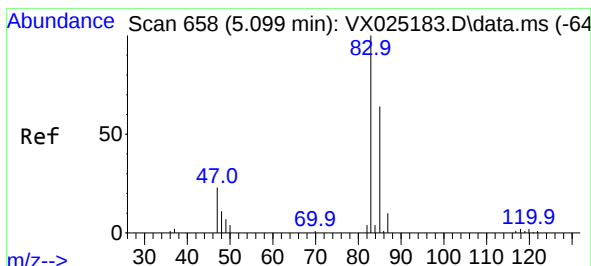
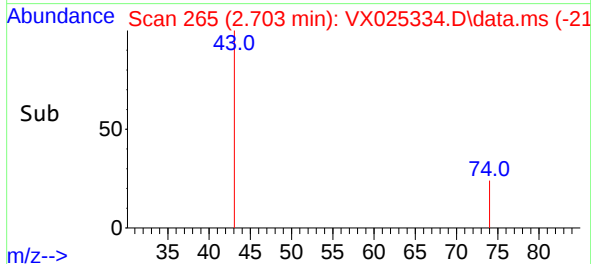
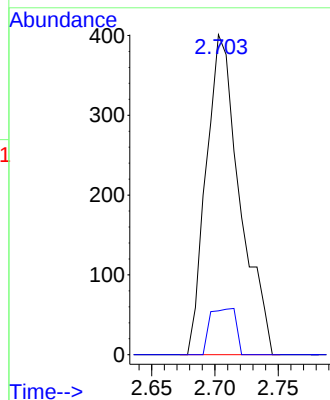
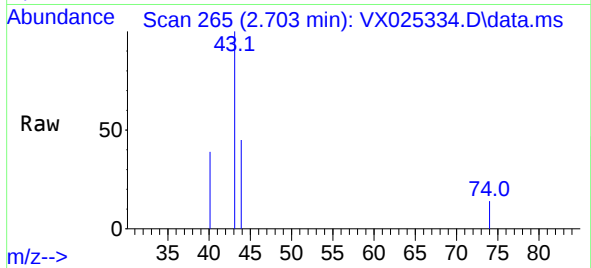




#18  
Methyl Acetate  
Concen: 0.299 ug/l  
RT: 2.703 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

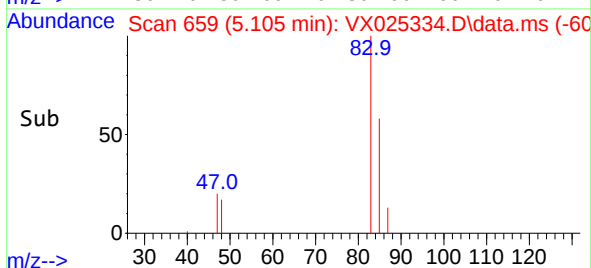
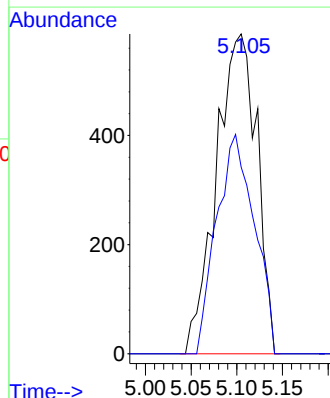
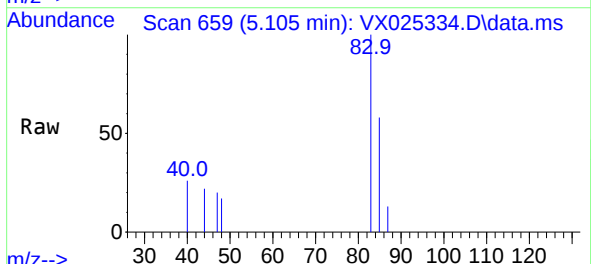
Instrument :  
MSVOA\_X  
ClientSampleId :

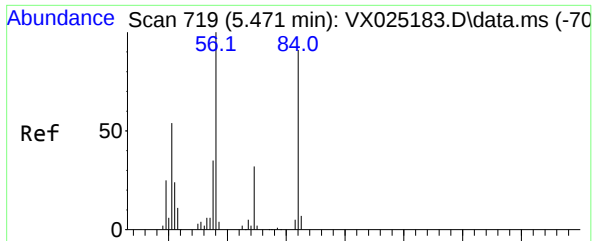
Tgt Ion: 43 Resp: 743  
Ion Ratio Lower Upper  
43 100  
74 11.0 19.0 28.6#



#30  
Chloroform  
Concen: 0.751 ug/l  
RT: 5.105 min Scan# 659  
Delta R.T. 0.006 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

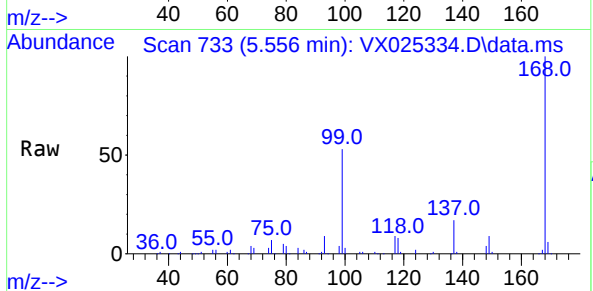
Tgt Ion: 83 Resp: 1811  
Ion Ratio Lower Upper  
83 100  
85 58.4 50.2 75.2



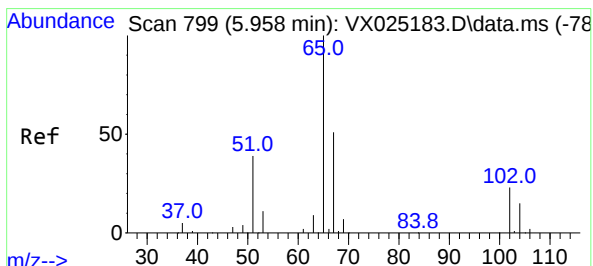
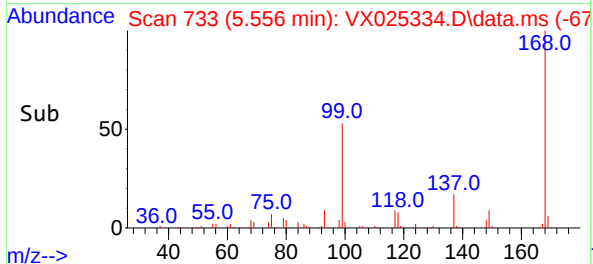
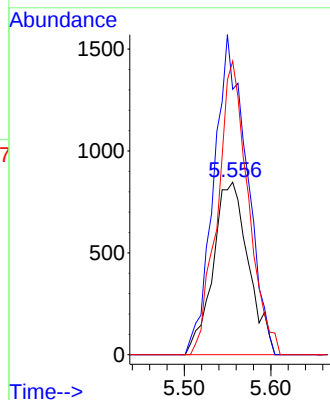


#31  
Cyclohexane  
Concen: 1.110 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

Instrument :  
MSVOA\_X  
ClientSampleId :

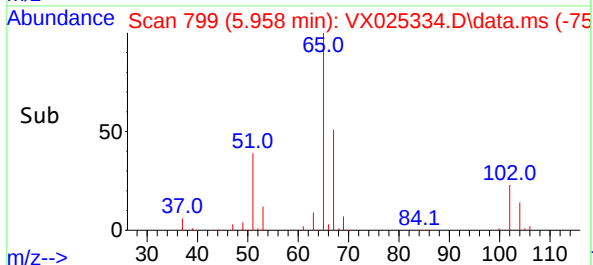
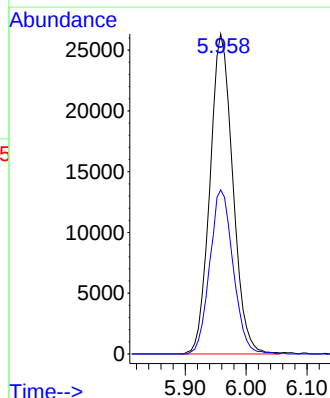
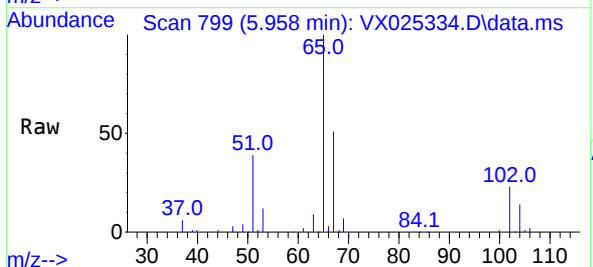


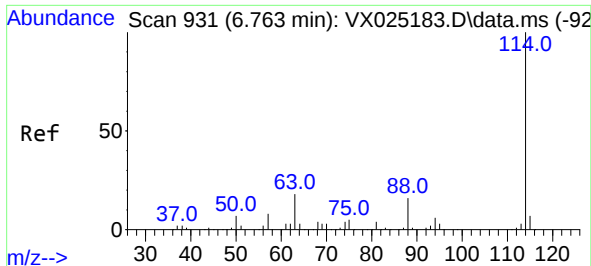
Tgt Ion: 56 Resp: 2400  
Ion Ratio Lower Upper  
56 100  
69 153.8 24.2 36.2#  
84 170.1 71.5 107.3#



#33  
1,2-Dichloroethane-d4  
Concen: 49.129 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

Tgt Ion: 65 Resp: 68710  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 101.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX025334.D

Acq: 24 Nov 2021 18:09

Instrument :

MSVOA\_X

ClientSampleId :

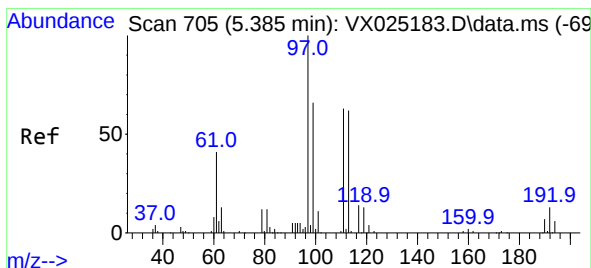
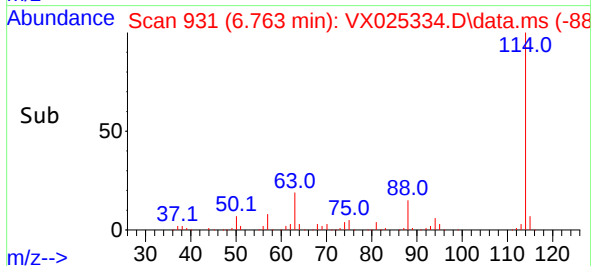
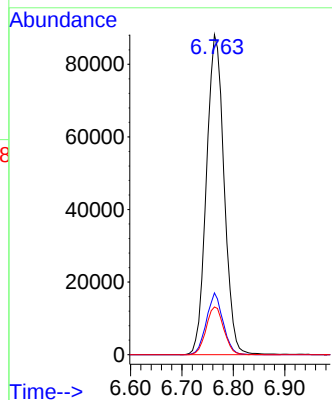
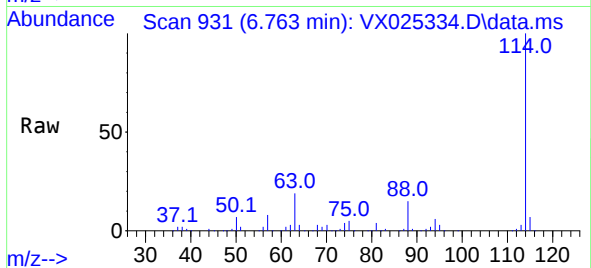
Tgt Ion:114 Resp: 210254

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.0

88 14.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.801 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX025334.D

Acq: 24 Nov 2021 18:09

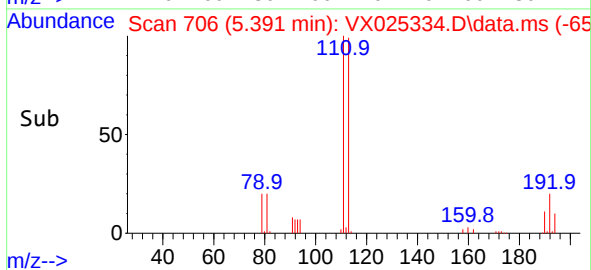
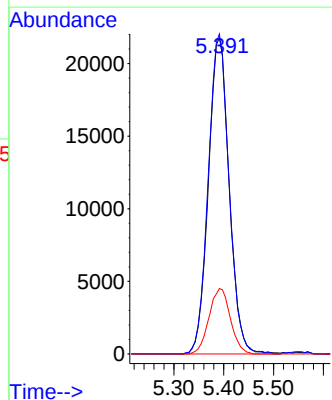
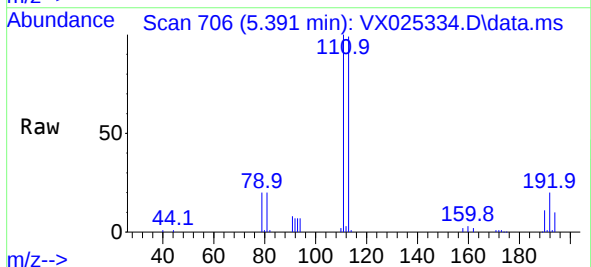
Tgt Ion:113 Resp: 62956

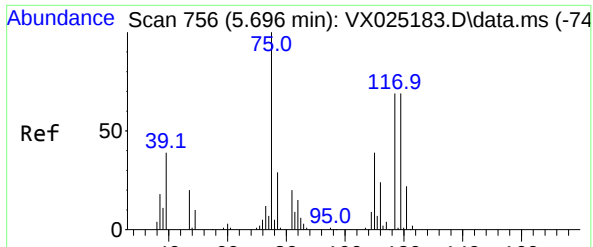
Ion Ratio Lower Upper

113 100

111 101.1 82.1 123.1

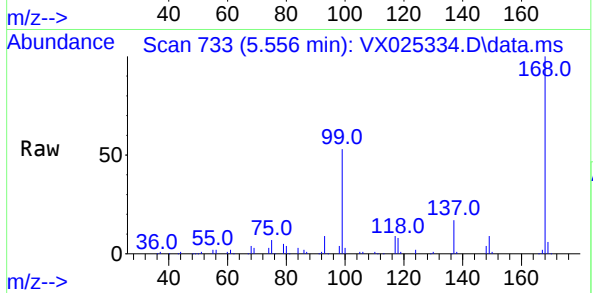
192 21.3 15.6 23.4



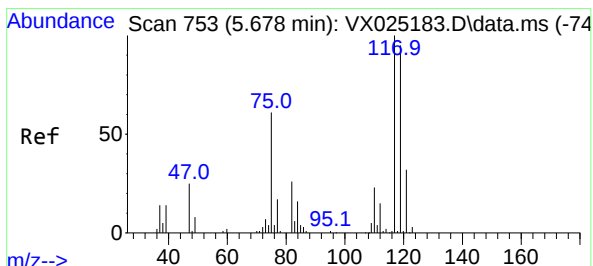
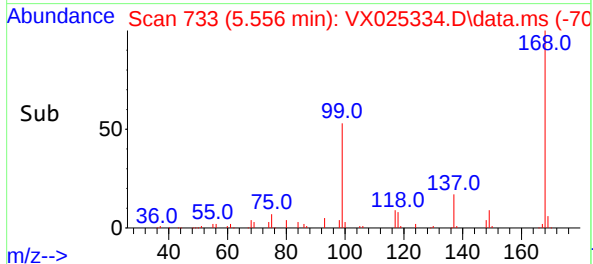
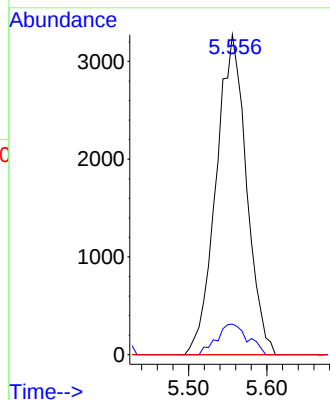


#36  
1,1-Dichloropropene  
Concen: 4.810 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

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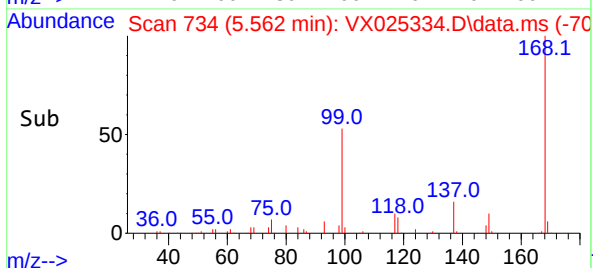
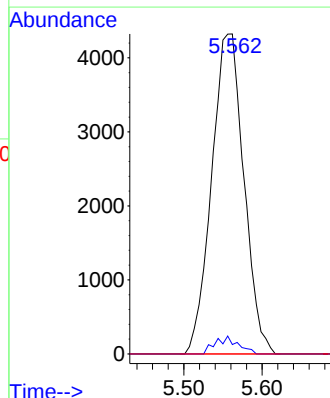
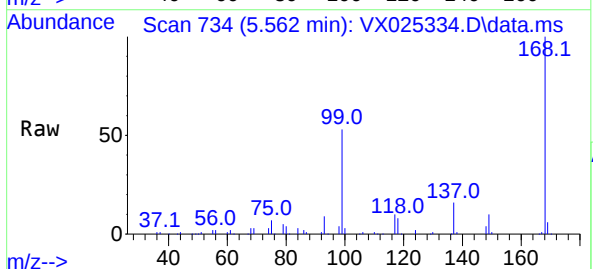


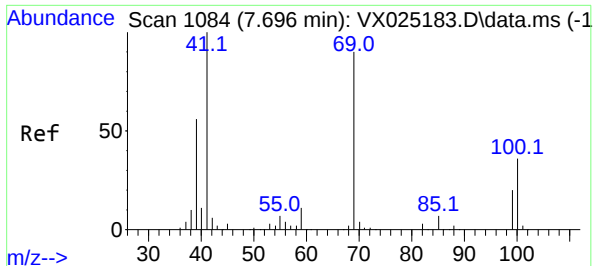
Tgt Ion: 75 Resp: 8823  
Ion Ratio Lower Upper  
75 100  
110 9.8 18.1 54.3#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 6.118 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.116 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

Tgt Ion: 117 Resp: 12362  
Ion Ratio Lower Upper  
117 100  
119 2.9 75.6 113.4#  
121 0.0 23.7 35.5#





#48

Methyl methacrylate

Concen: 2.984 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.275 min

Lab File: VX025334.D

Acq: 24 Nov 2021 18:09

Instrument :

MSVOA\_X

ClientSampleId :

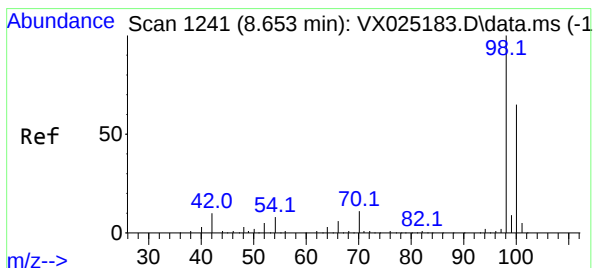
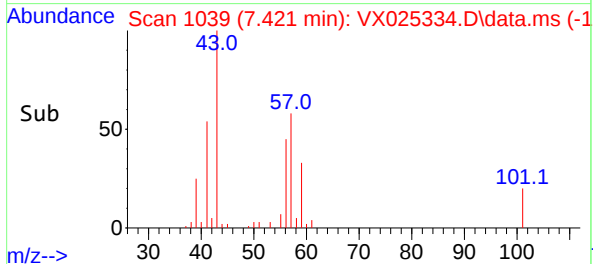
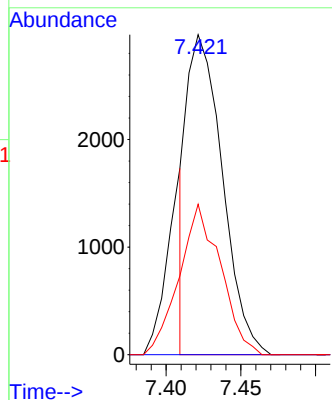
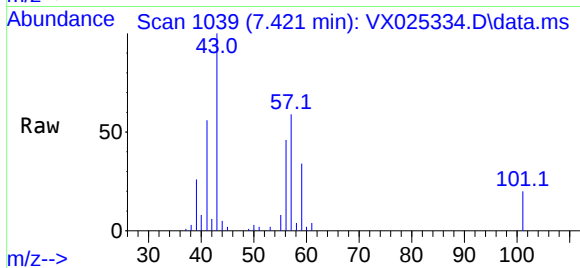
Tgt Ion: 41 Resp: 4865

Ion Ratio Lower Upper

41 100

69 0.0 64.5 96.7#

39 43.5 46.9 70.3#



#50

Toluene-d8

Concen: 49.373 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025334.D

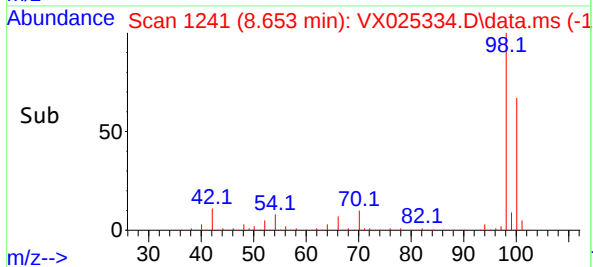
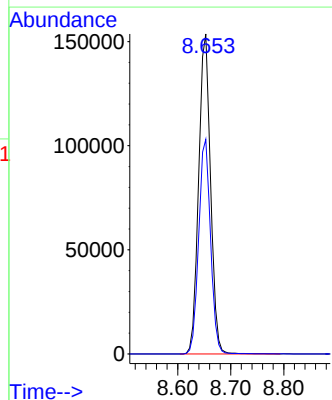
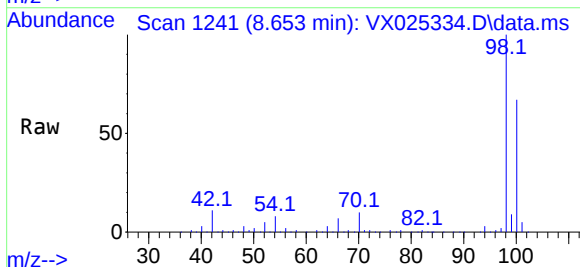
Acq: 24 Nov 2021 18:09

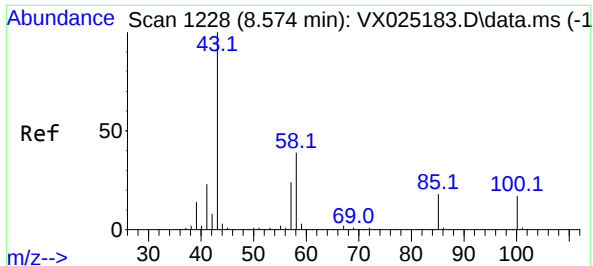
Tgt Ion: 98 Resp: 239480

Ion Ratio Lower Upper

98 100

100 66.9 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.465 ug/l

RT: 8.641 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX025334.D

Acq: 24 Nov 2021 18:09

Instrument :

MSVOA\_X

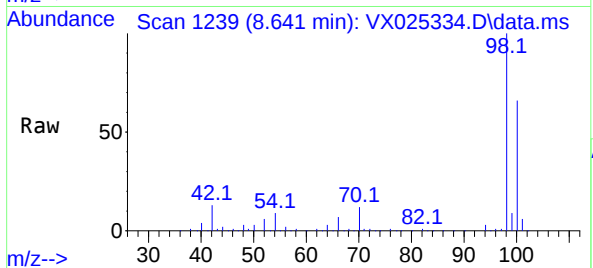
ClientSampleId :

Tgt Ion: 43 Resp: 1012

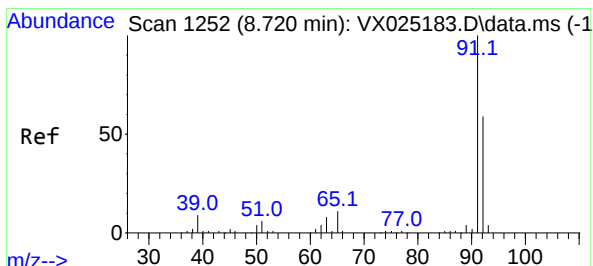
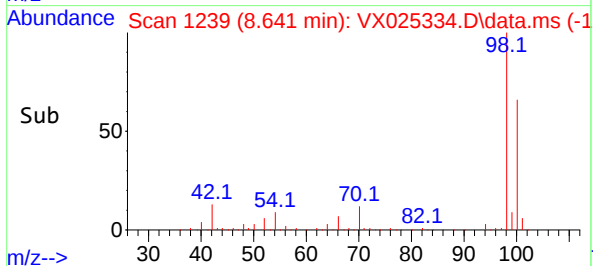
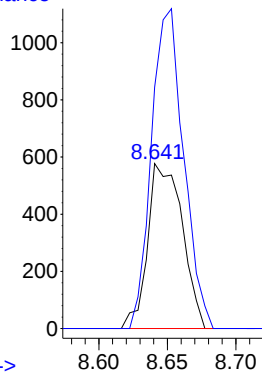
Ion Ratio Lower Upper

43 100

58 180.2 30.9 46.3#



Abundance



#52

Toluene

Concen: 0.937 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX025334.D

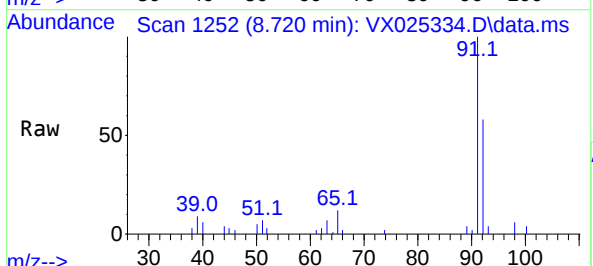
Acq: 24 Nov 2021 18:09

Tgt Ion: 92 Resp: 3400

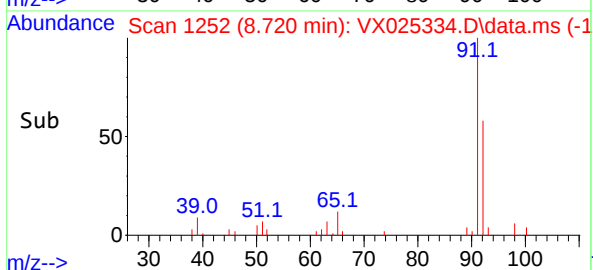
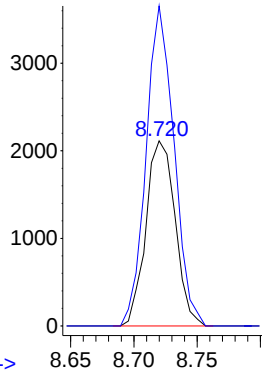
Ion Ratio Lower Upper

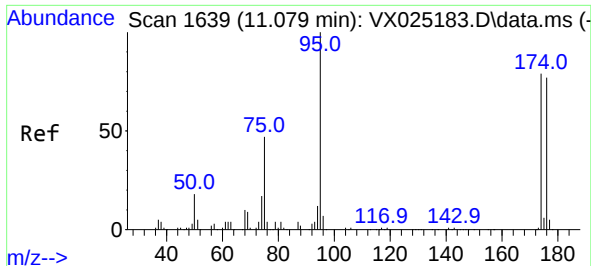
92 100

91 165.0 138.6 208.0



Abundance

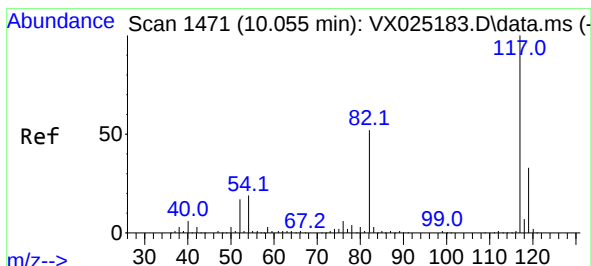
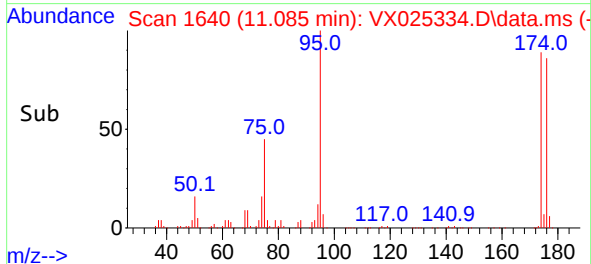
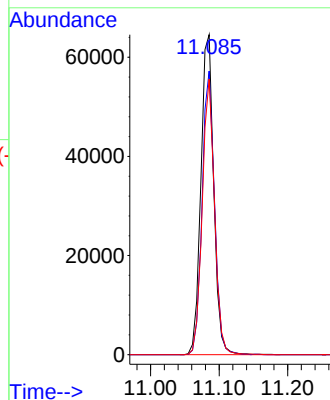
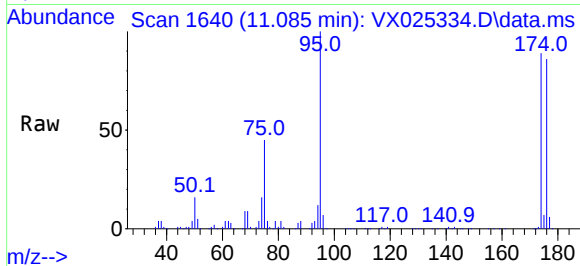




#62  
4-Bromofluorobenzene  
Concen: 45.861 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

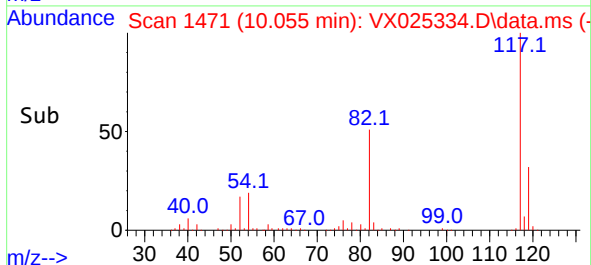
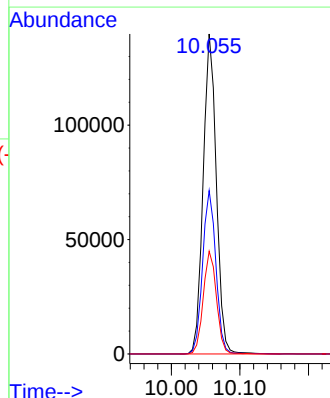
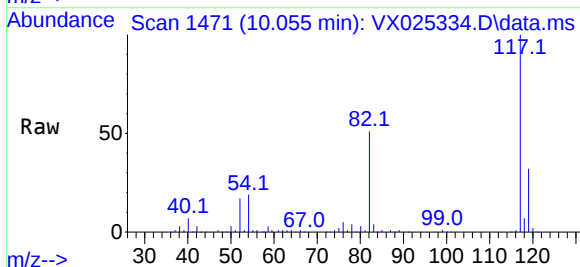
Instrument :  
MSVOA\_X  
ClientSampleId :

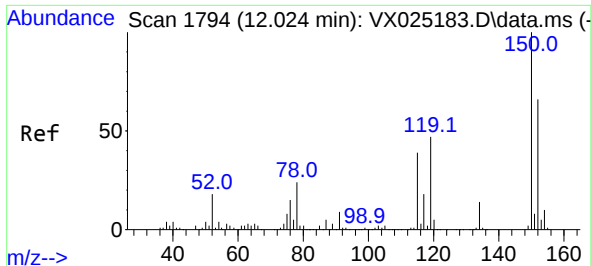
Tgt Ion: 95 Resp: 84153  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 158.0  
176 82.8 0.0 153.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

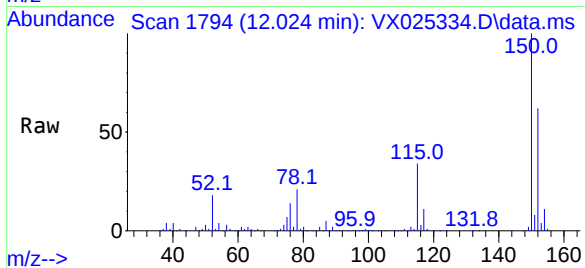
Tgt Ion: 117 Resp: 187403  
Ion Ratio Lower Upper  
117 100  
82 51.0 44.6 67.0  
119 32.1 24.8 37.2



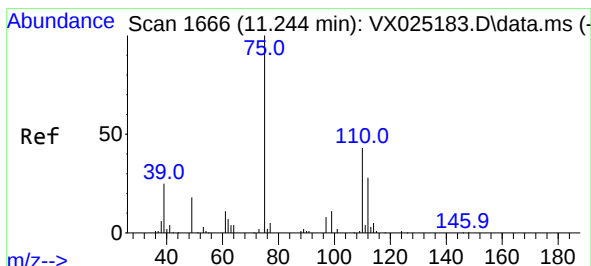
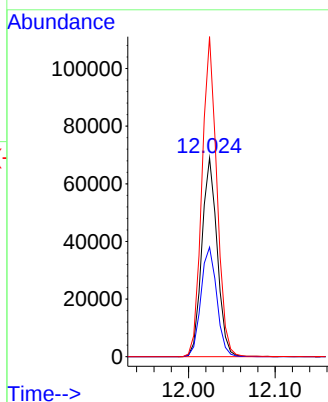
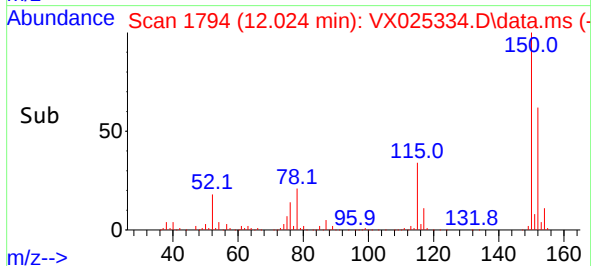


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09

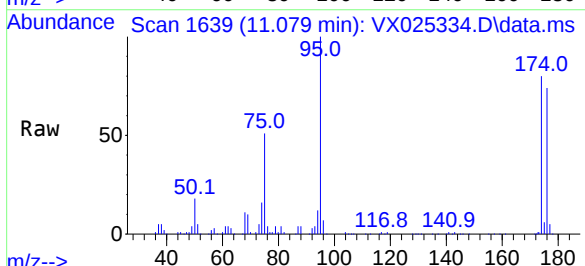
Instrument :  
MSVOA\_X  
ClientSampleId :



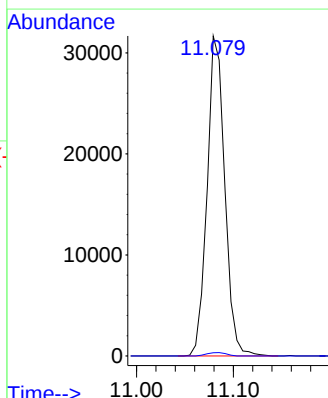
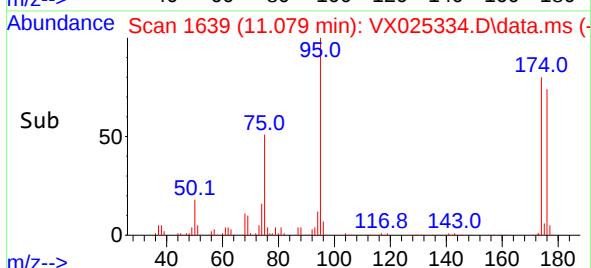
Tgt Ion:152 Resp: 84704  
Ion Ratio Lower Upper  
152 100  
115 57.0 43.3 129.8  
150 157.2 0.0 351.2

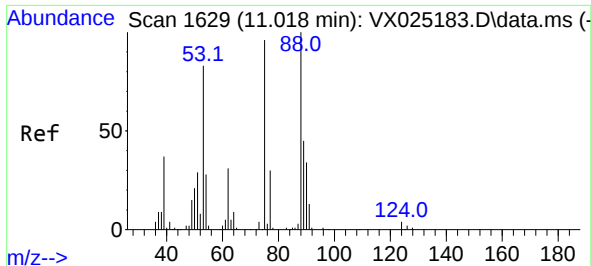


#76  
1,2,3-Trichloropropane  
Concen: 23.149 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX025334.D  
Acq: 24 Nov 2021 18:09



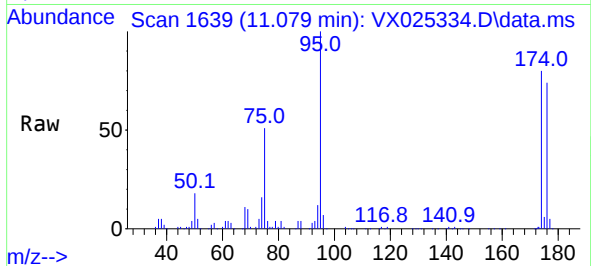
Tgt Ion: 75 Resp: 40153  
Ion Ratio Lower Upper  
75 100  
77 1.2 20.0 59.9#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 58.316 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX025334.D  
 Acq: 24 Nov 2021 18:09

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 40153  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 81.9 122.9#  
 89 0.0 38.2 57.2#

