

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021022\  
 Data File : VX026953.D  
 Acq On : 11 Feb 2022 05:03  
 Operator : JC/MD  
 Sample : N1497-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-7S

Quant Time: Feb 11 07:36:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 08 07:07:46 2022  
 Response via : Initial Calibration

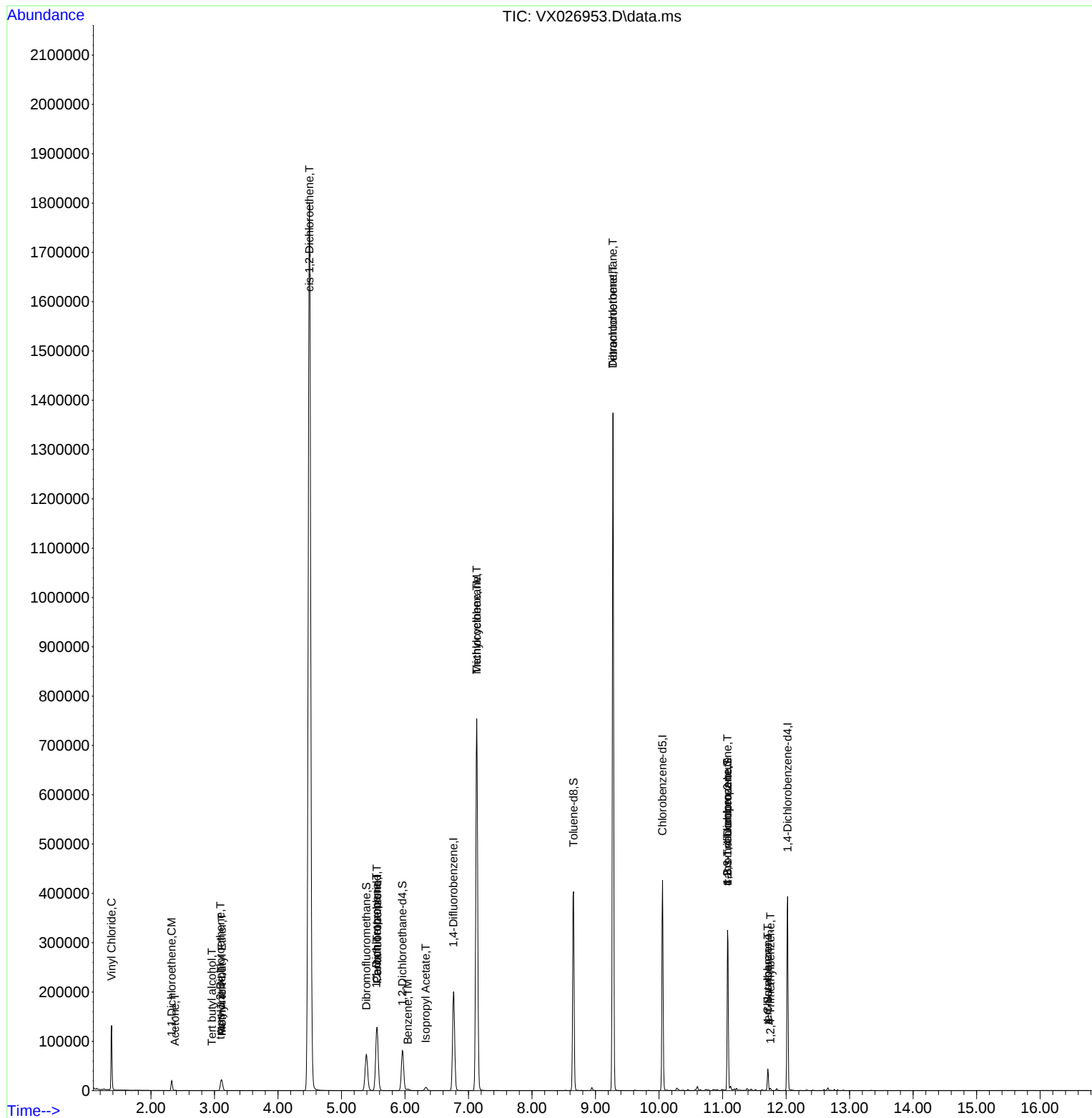
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.562     | 168   | 122726   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 204843   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 188806   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 81620    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65    | 78880    | 53.543   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 107.080% |          |
| 35) Dibromofluoromethane      | 5.391     | 113   | 64066    | 52.495   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 105.000% |          |
| 50) Toluene-d8                | 8.653     | 98    | 242292   | 54.086   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 108.180% |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 89679    | 56.860   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 113.720% |          |
| Target Compounds              |           |       |          |          |            | Qvalue   |
| 4) Vinyl Chloride             | 1.380     | 62    | 83575    | 64.311   | ug/l       | 100      |
| 11) Tert butyl alcohol        | 2.959     | 59    | 112      | 0.421    | ug/l #     | 75       |
| 12) 1,1-Dichloroethene        | 2.325     | 96    | 6695     | 5.330    | ug/l       | 90       |
| 15) Acrylonitrile             | 3.105     | 53    | 162      | 0.212    | ug/l #     | 5        |
| 16) Acetone                   | 2.380     | 43    | 920      | 1.422    | ug/l       | 94       |
| 19) Methyl tert-butyl Ether   | 3.117     | 73    | 17824    | 4.009    | ug/l       | 98       |
| 21) trans-1,2-Dichloroethene  | 3.093     | 96    | 4207     | 3.183    | ug/l       | 95       |
| 27) cis-1,2-Dichloroethene    | 4.495     | 96    | 1148528  | 756.856  | ug/l       | 89       |
| 36) 1,1-Dichloropropene       | 5.550     | 75    | 9282     | 4.821    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 12636    | 6.259    | ug/l #     | 16       |
| 39) Methylcyclohexane         | 7.129     | 83    | 3449     | 1.461    | ug/l #     | 1        |
| 40) Benzene                   | 6.044     | 78    | 3360     | 0.599    | ug/l       | 99       |
| 43) Isopropyl Acetate         | 6.324     | 43    | 2401     | 0.713    | ug/l #     | 18       |
| 44) Trichloroethene           | 7.129     | 130   | 287157   | 170.440  | ug/l       | 99       |
| 60) Dibromochloromethane      | 9.275     | 129   | 239792   | 173.280  | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.275     | 164   | 247357   | 130.443  | ug/l       | 97       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 44608    | 24.967   | ug/l #     | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 44608    | 76.159   | ug/l #     | 3        |
| 82) 4-Chlorotoluene           | 11.713    | 91    | 10847    | 2.196    | ug/l #     | 46       |
| 83) tert-Butylbenzene         | 11.713    | 119   | 16107    | 3.194    | ug/l       | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.756    | 105   | 1450     | 0.272    | ug/l       | 94       |

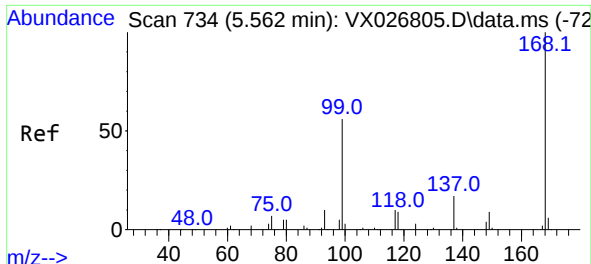
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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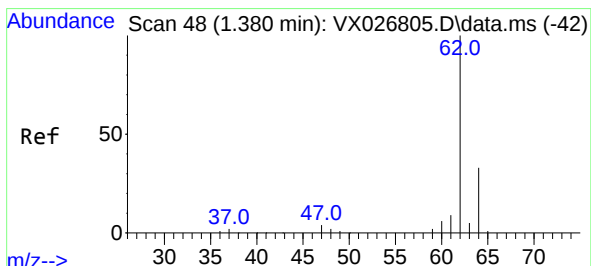
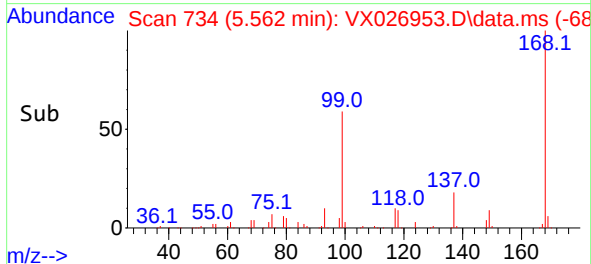
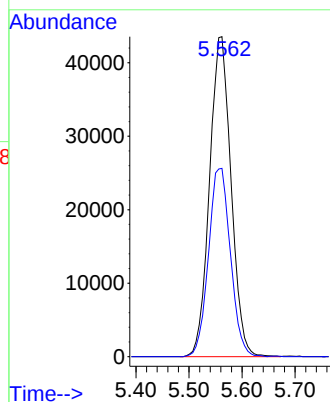
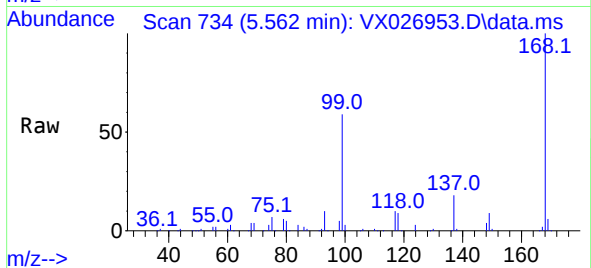




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

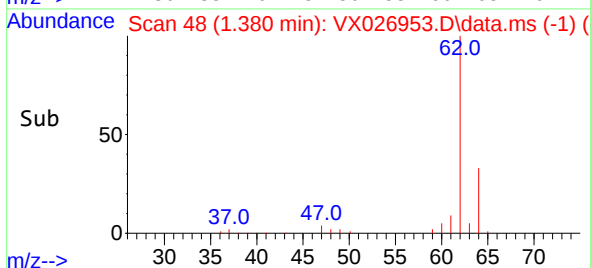
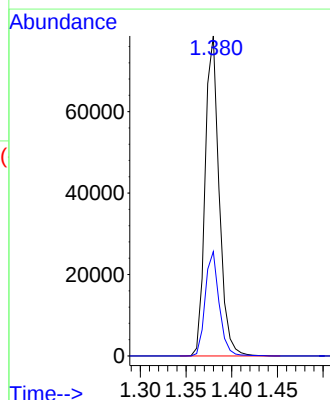
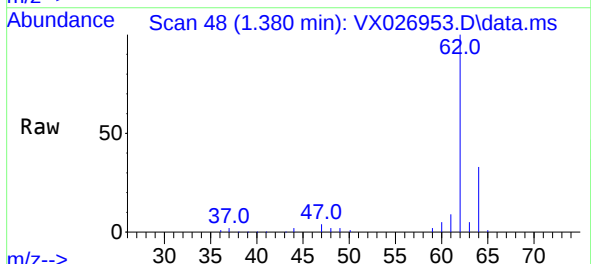
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7S

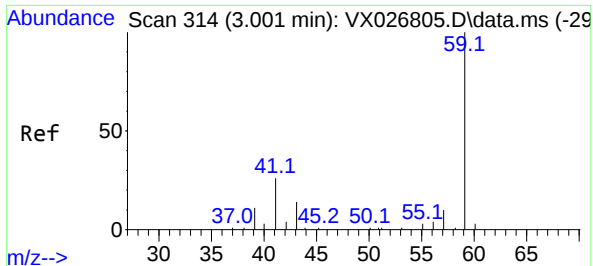
Tgt Ion:168 Resp: 122726  
Ion Ratio Lower Upper  
168 100  
99 58.9 50.3 75.5



#4  
Vinyl Chloride  
Concen: 64.311 ug/l  
RT: 1.380 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion: 62 Resp: 83575  
Ion Ratio Lower Upper  
62 100  
64 32.6 26.2 39.2

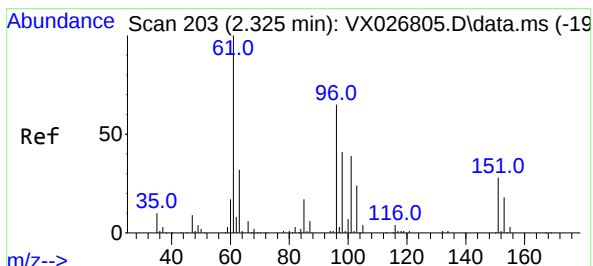
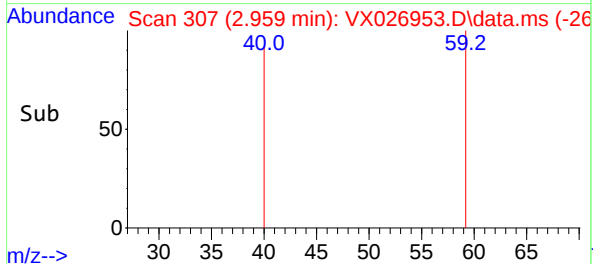
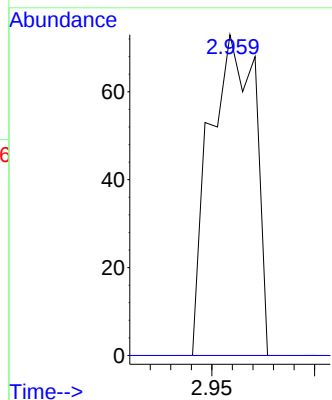
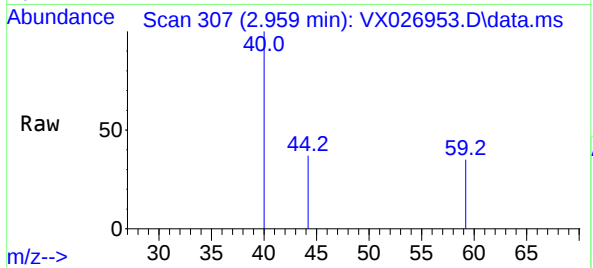




#11  
Tert butyl alcohol  
Concen: 0.421 ug/l  
RT: 2.959 min Scan# 30  
Delta R.T. -0.042 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

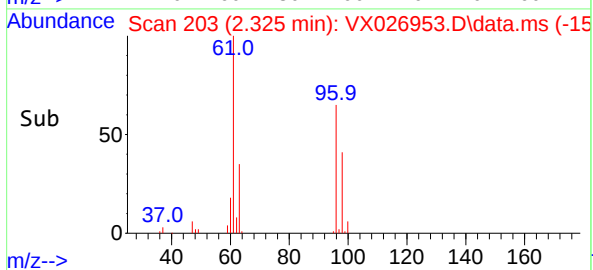
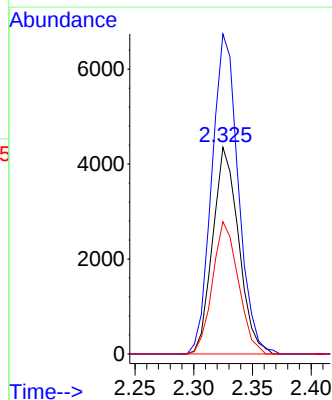
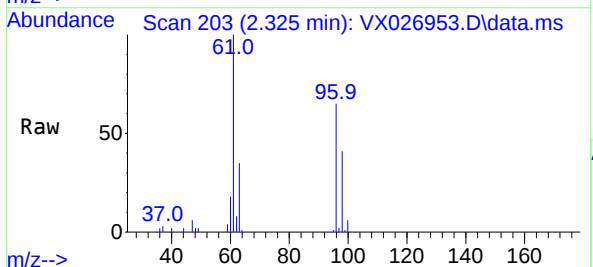
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7S

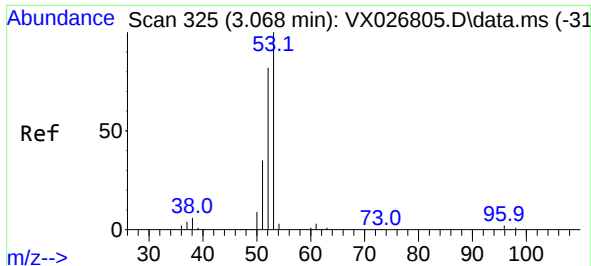
Tgt Ion: 59 Resp: 112  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#



#12  
1,1-Dichloroethene  
Concen: 5.330 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion: 96 Resp: 6695  
Ion Ratio Lower Upper  
96 100  
61 154.8 138.5 207.7  
98 64.0 51.8 77.6

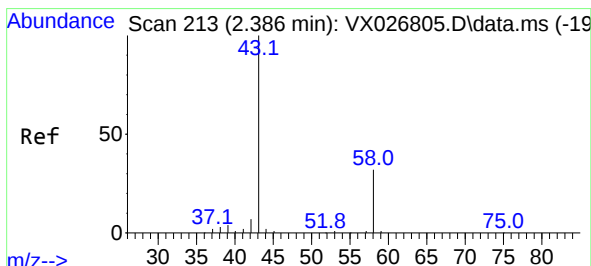
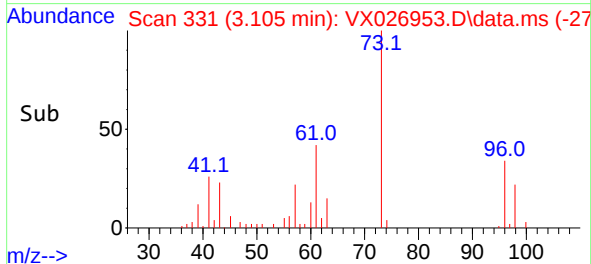
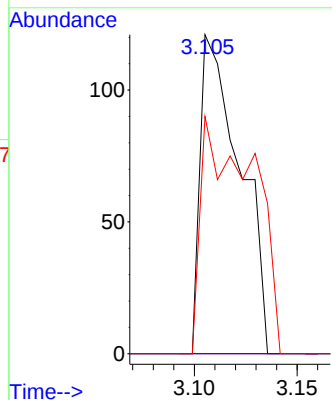
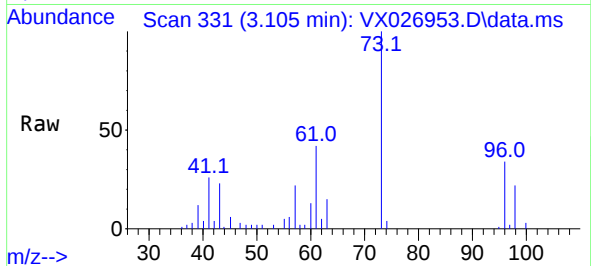




#15  
Acrylonitrile  
Concen: 0.212 ug/l  
RT: 3.105 min Scan# 31  
Delta R.T. 0.037 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

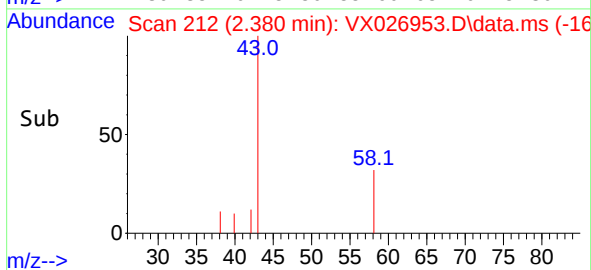
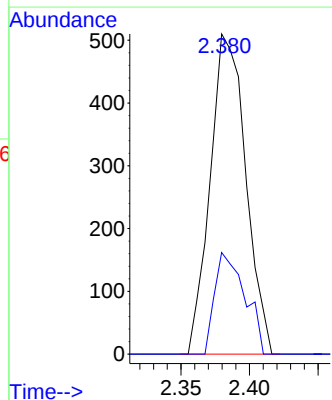
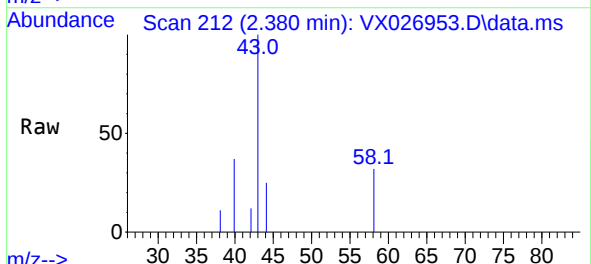
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7S

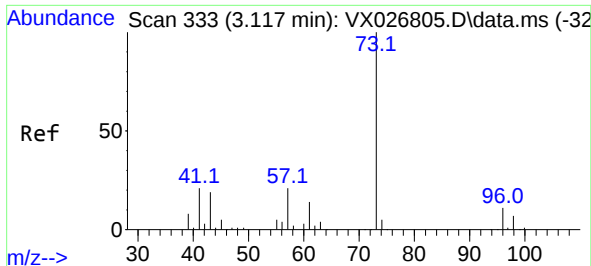
Tgt Ion: 53 Resp: 162  
Ion Ratio Lower Upper  
53 100  
52 0.0 66.6 100.0#  
51 96.9 29.5 44.3#



#16  
Acetone  
Concen: 1.422 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion: 43 Resp: 920  
Ion Ratio Lower Upper  
43 100  
58 31.8 23.0 34.6

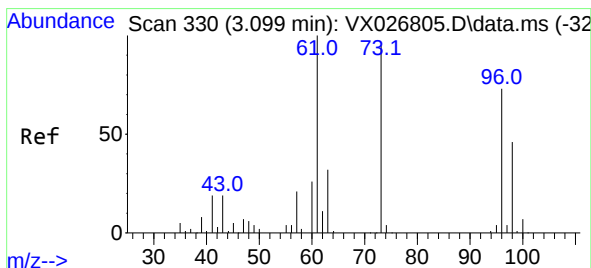
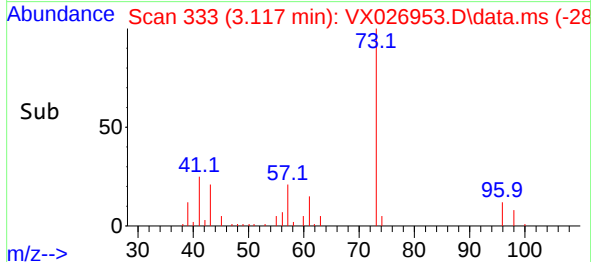
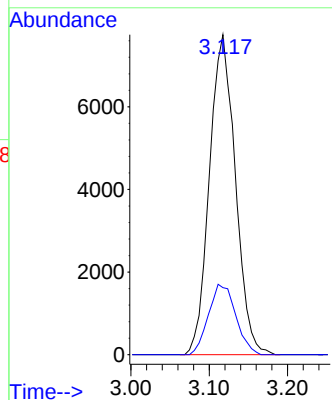
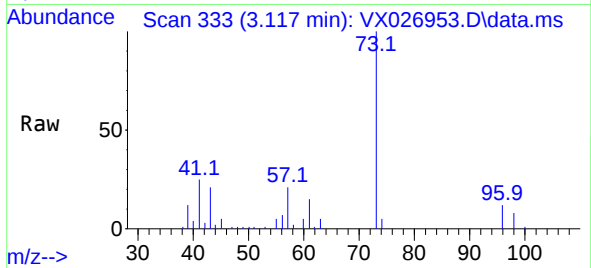




#19  
Methyl tert-butyl Ether  
Concen: 4.009 ug/l  
RT: 3.117 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

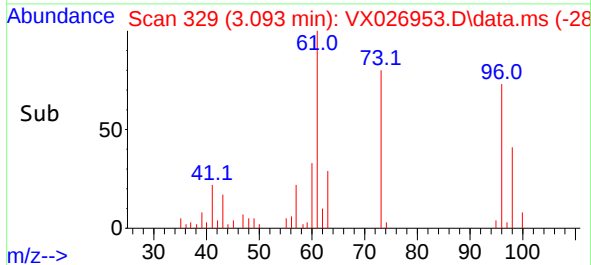
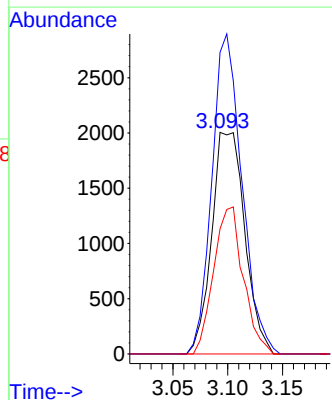
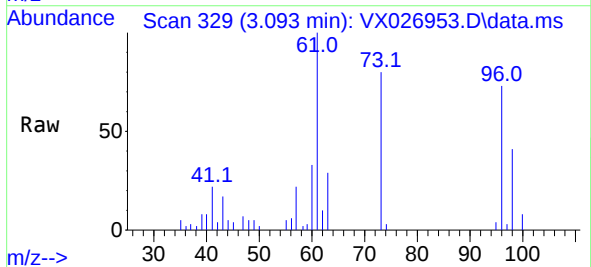
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ClientSampleId :  
MW-7S

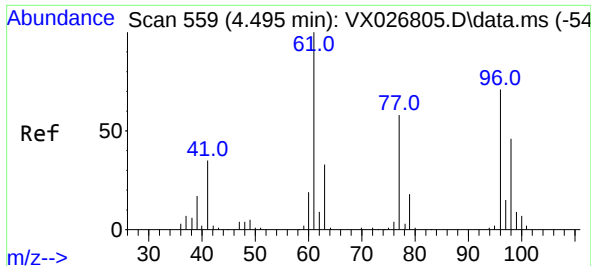
Tgt Ion: 73 Resp: 17824  
Ion Ratio Lower Upper  
73 100  
57 21.0 17.4 26.2



#21  
trans-1,2-Dichloroethene  
Concen: 3.183 ug/l  
RT: 3.093 min Scan# 329  
Delta R.T. -0.006 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion: 96 Resp: 4207  
Ion Ratio Lower Upper  
96 100  
61 136.1 112.9 169.3  
98 56.5 49.5 74.3

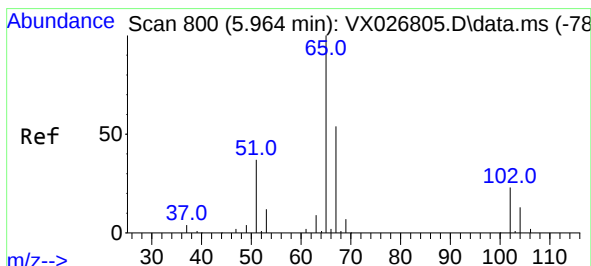
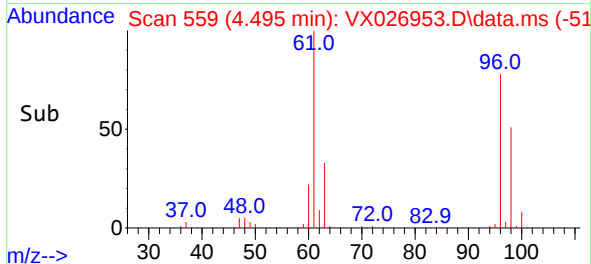
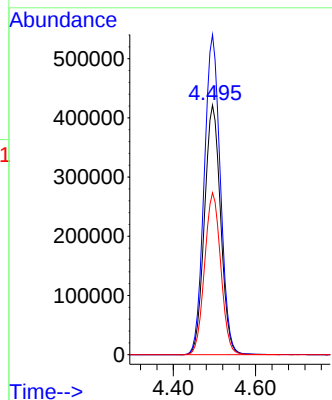
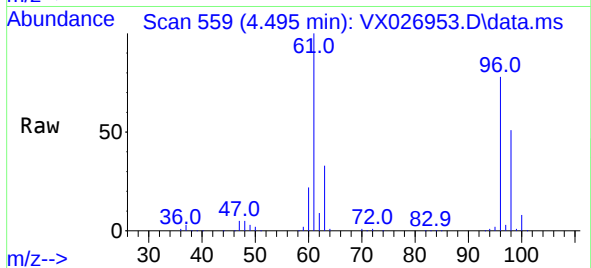




#27  
cis-1,2-Dichloroethene  
Concen: 756.856 ug/l  
RT: 4.495 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

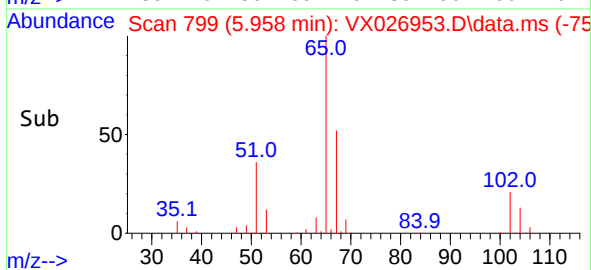
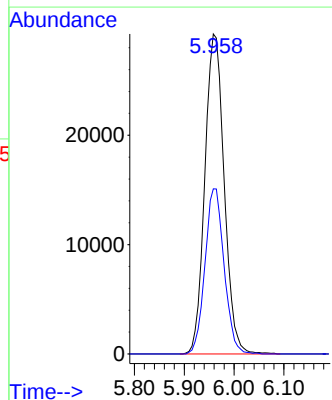
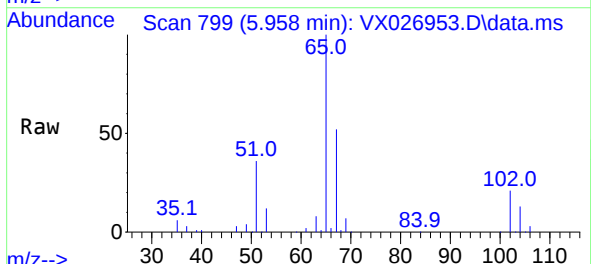
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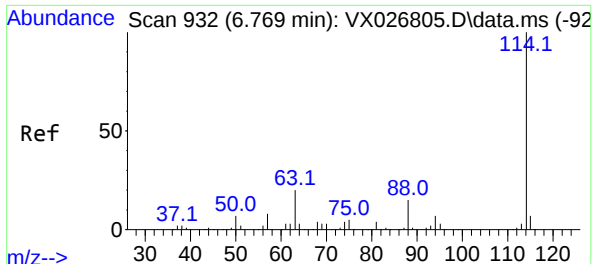
Tgt Ion: 96 Resp: 1148528  
Ion Ratio Lower Upper  
96 100  
61 127.9 0.0 296.6  
98 64.8 0.0 128.8



#33  
1,2-Dichloroethane-d4  
Concen: 53.543 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion: 65 Resp: 78880  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX026953.D

Acq: 11 Feb 2022 05:03

Instrument :

MSVOA\_X

ClientSampleId :

MW-7S

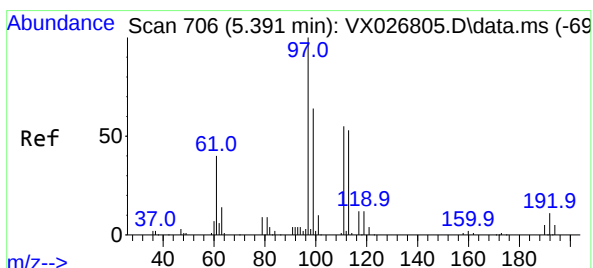
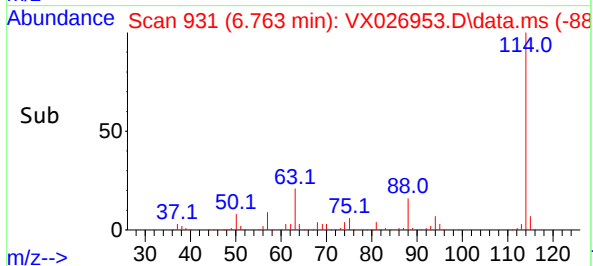
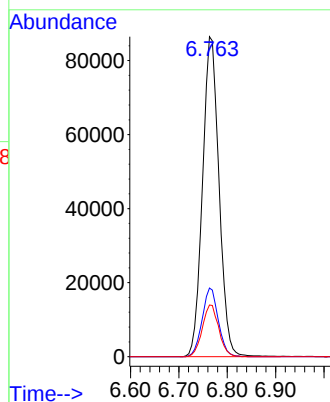
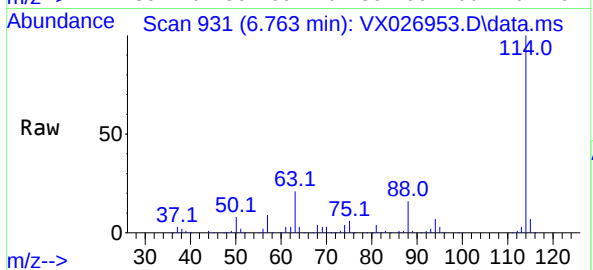
Tgt Ion:114 Resp: 204843

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.8

88 16.2 0.0 33.0



#35

Dibromofluoromethane

Concen: 52.495 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026953.D

Acq: 11 Feb 2022 05:03

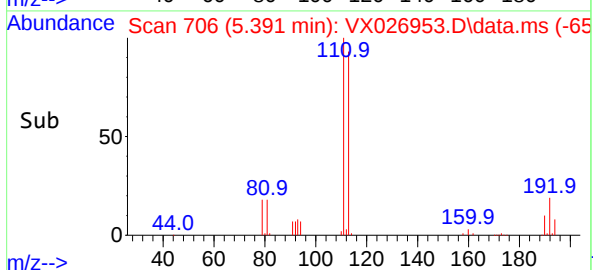
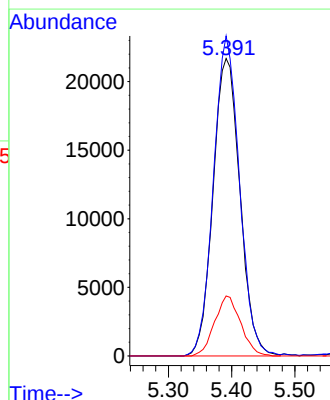
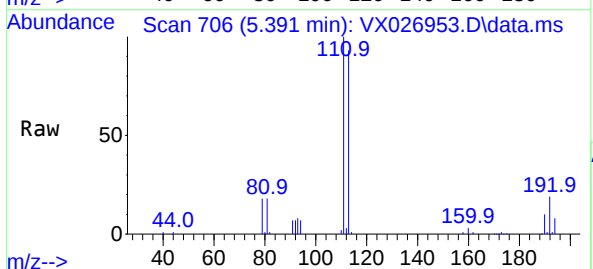
Tgt Ion:113 Resp: 64066

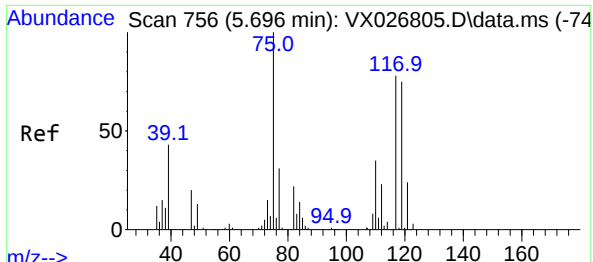
Ion Ratio Lower Upper

113 100

111 103.9 81.2 121.8

192 19.5 15.0 22.4

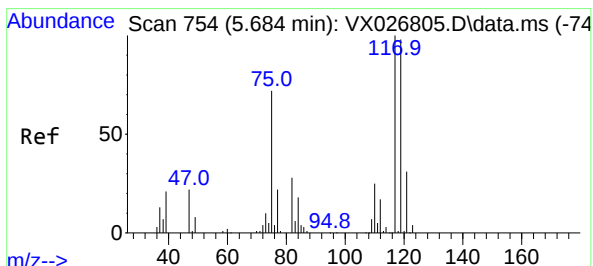
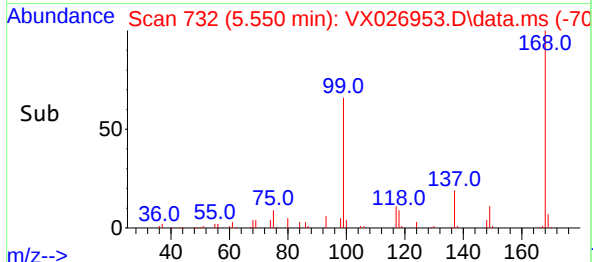
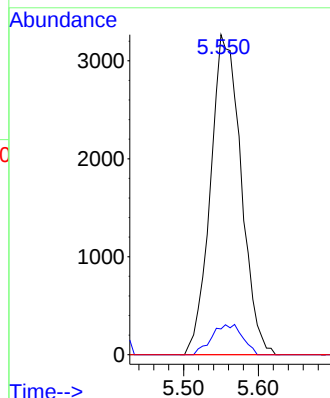
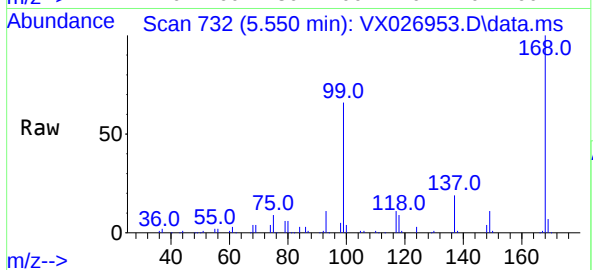




#36  
1,1-Dichloropropene  
Concen: 4.821 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.146 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

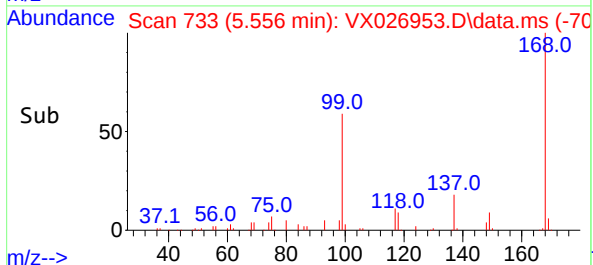
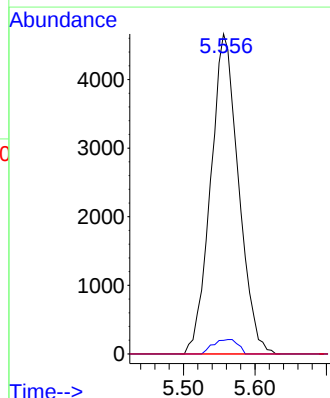
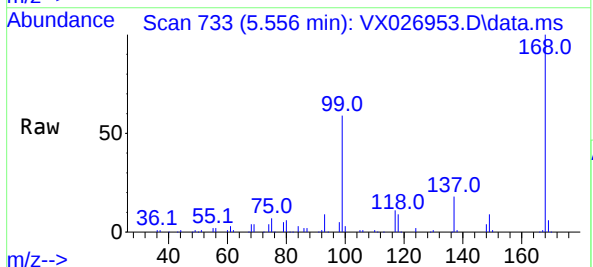
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7S

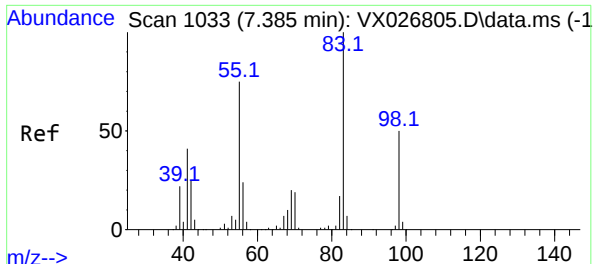
Tgt Ion: 75 Resp: 9282  
Ion Ratio Lower Upper  
75 100  
110 9.5 17.2 51.6#  
77 0.0 24.6 36.8#



#38  
Carbon Tetrachloride  
Concen: 6.259 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion: 117 Resp: 12636  
Ion Ratio Lower Upper  
117 100  
119 4.2 74.7 112.1#  
121 0.0 25.4 38.0#





#39

Methylcyclohexane

Concen: 1.461 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX026953.D

Acq: 11 Feb 2022 05:03

Instrument :

MSVOA\_X

ClientSampleId :

MW-7S

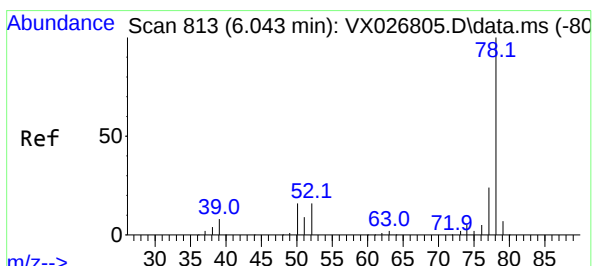
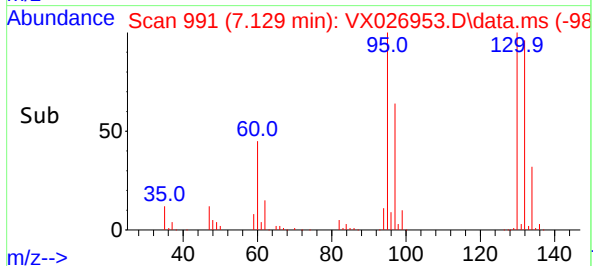
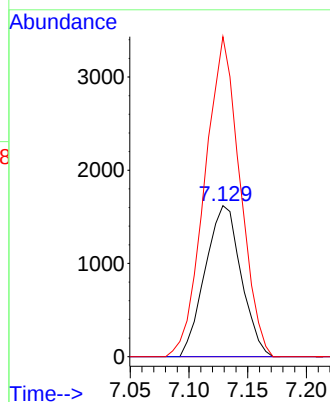
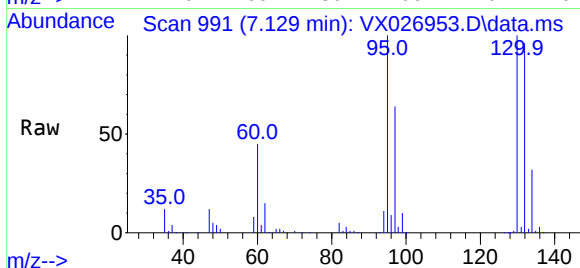
Tgt Ion: 83 Resp: 3449

Ion Ratio Lower Upper

83 100

55 0.0 63.6 95.4#

98 211.8 38.4 57.6#



#40

Benzene

Concen: 0.599 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.000 min

Lab File: VX026953.D

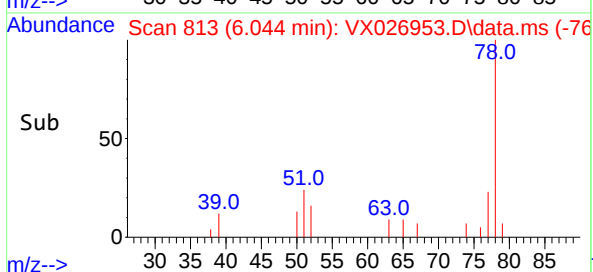
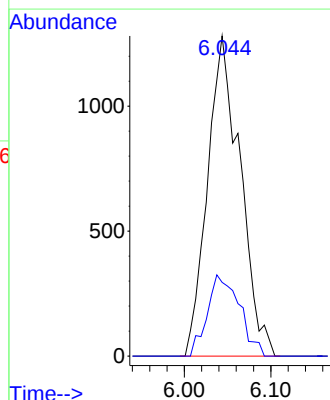
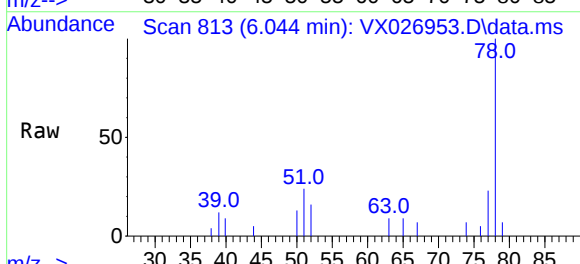
Acq: 11 Feb 2022 05:03

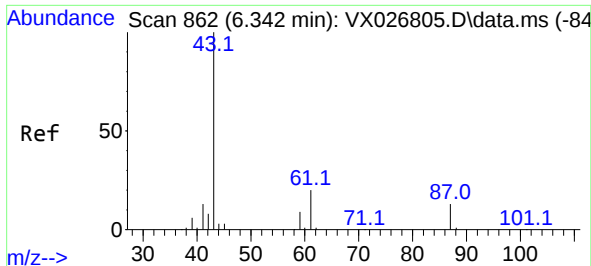
Tgt Ion: 78 Resp: 3360

Ion Ratio Lower Upper

78 100

77 23.0 18.9 28.3

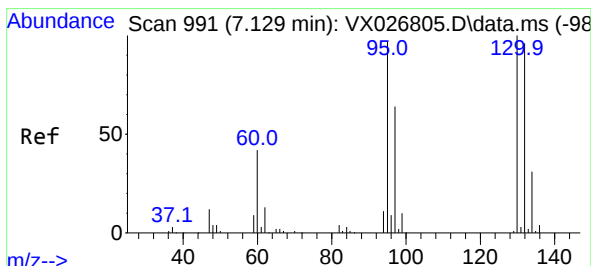
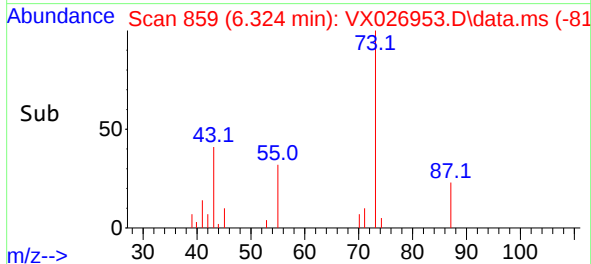
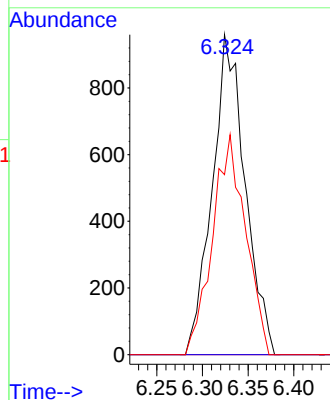
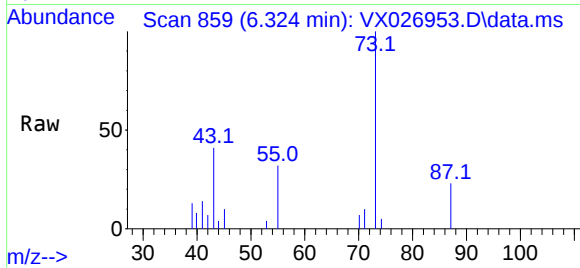




#43  
Isopropyl Acetate  
Concen: 0.713 ug/l  
RT: 6.324 min Scan# 862  
Delta R.T. -0.018 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

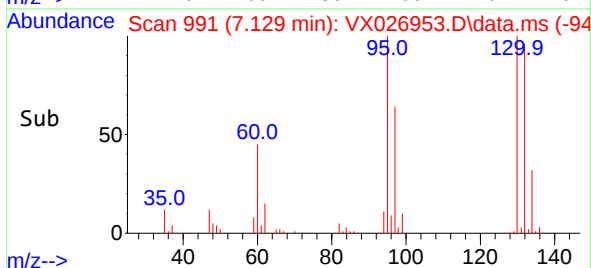
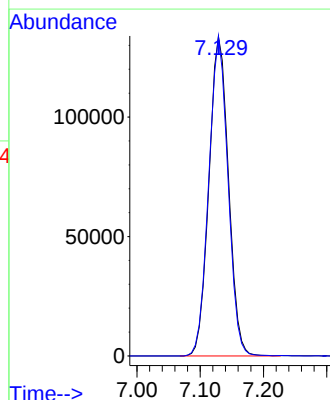
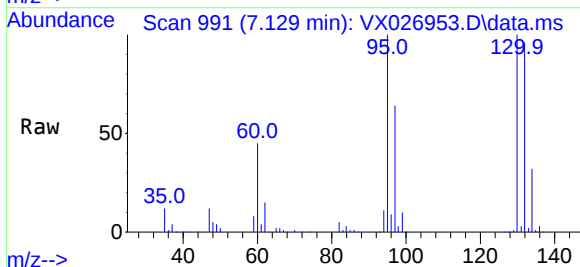
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7S

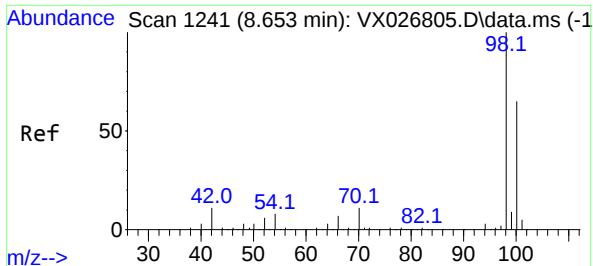
Tgt Ion: 43 Resp: 2401  
Ion Ratio Lower Upper  
43 100  
61 0.0 15.4 23.0#  
87 69.1 10.2 15.2#



#44  
Trichloroethene  
Concen: 170.440 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion:130 Resp: 287157  
Ion Ratio Lower Upper  
130 100  
95 100.2 0.0 202.6

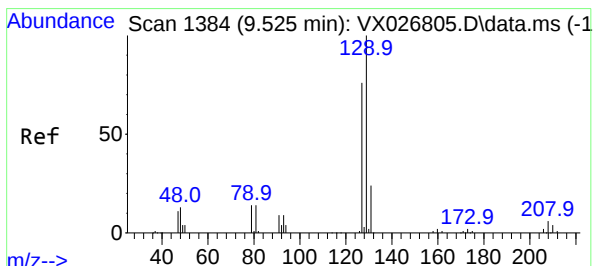
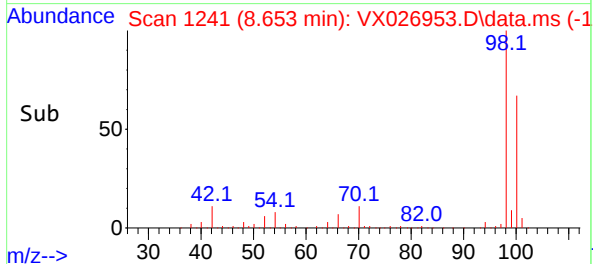
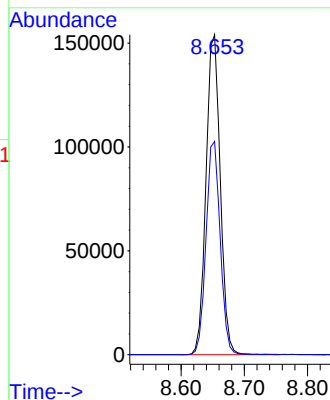
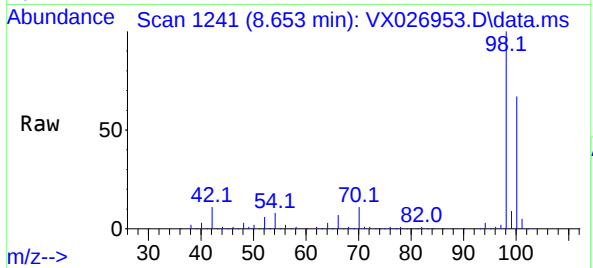




#50  
Toluene-d8  
Concen: 54.086 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

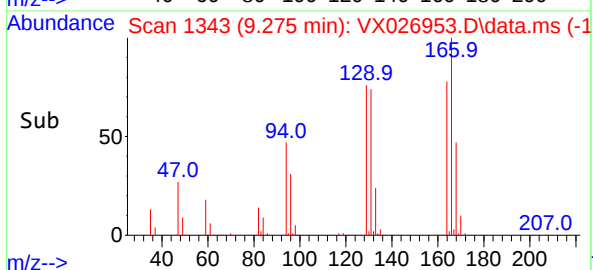
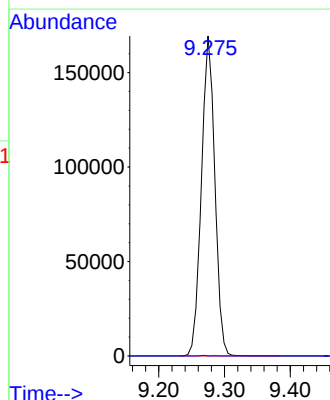
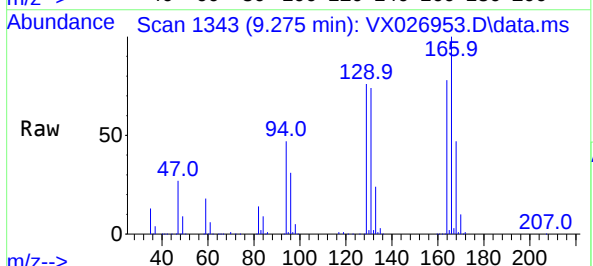
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7S

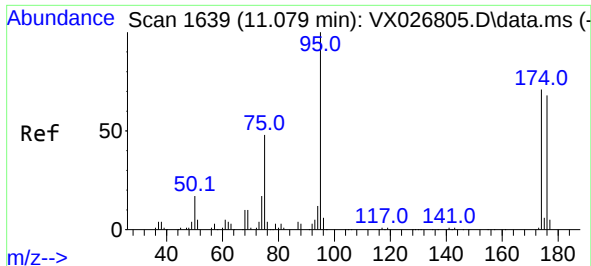
Tgt Ion: 98 Resp: 242292  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.2 79.8



#60  
Dibromochloromethane  
Concen: 173.280 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.250 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion: 129 Resp: 239792  
Ion Ratio Lower Upper  
129 100  
127 0.1 38.5 115.5#

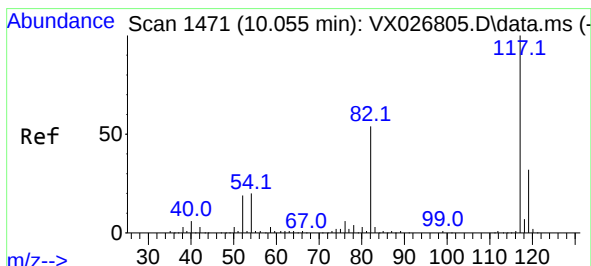
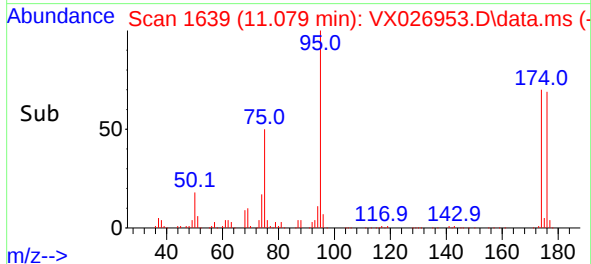
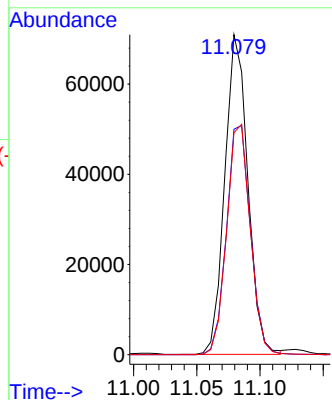
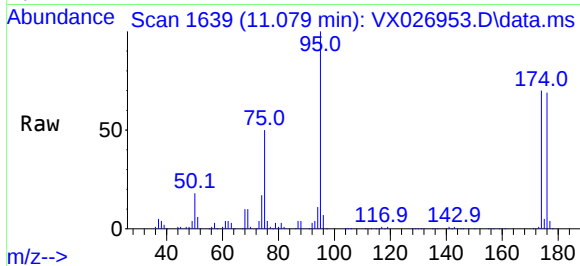




#62  
4-Bromofluorobenzene  
Concen: 56.860 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

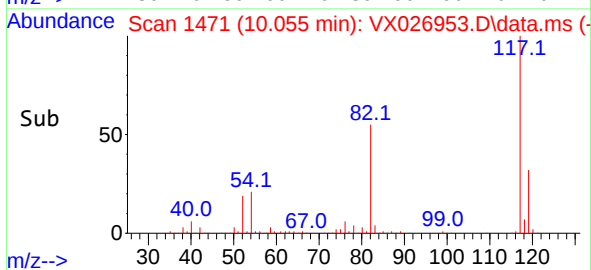
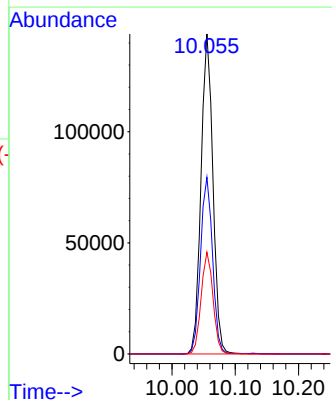
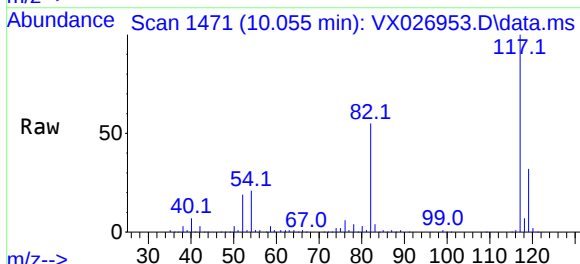
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7S

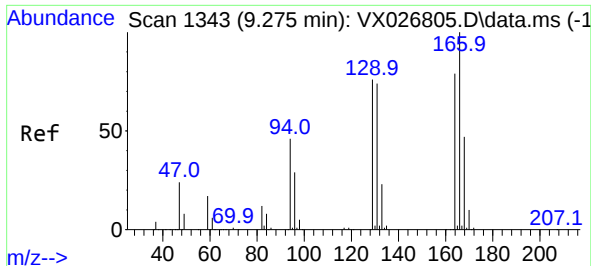
Tgt Ion: 95 Resp: 89679  
Ion Ratio Lower Upper  
95 100  
174 74.8 0.0 148.6  
176 73.9 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion: 117 Resp: 188806  
Ion Ratio Lower Upper  
117 100  
82 55.2 45.2 67.8  
119 31.8 26.2 39.2

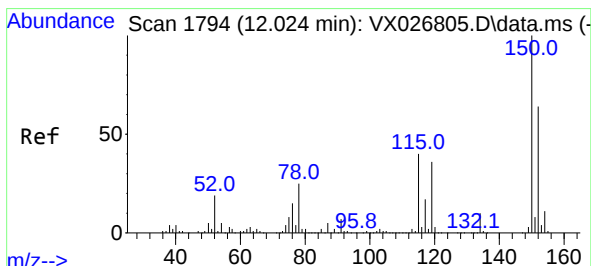
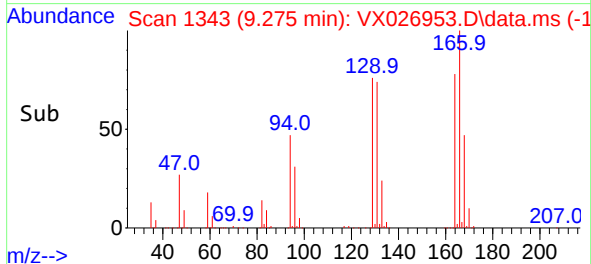
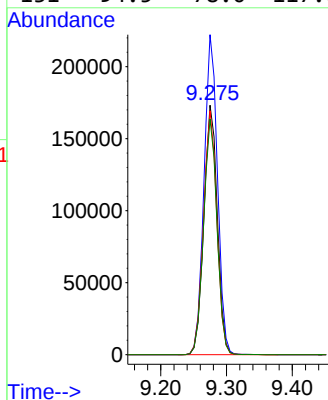
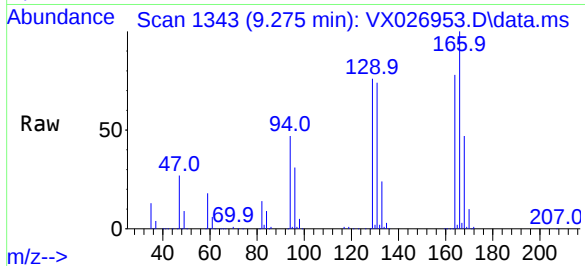




#64  
Tetrachloroethene  
Concen: 130.443 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

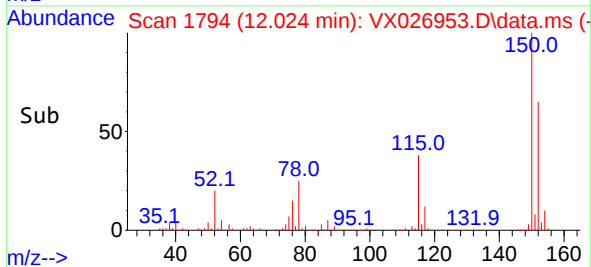
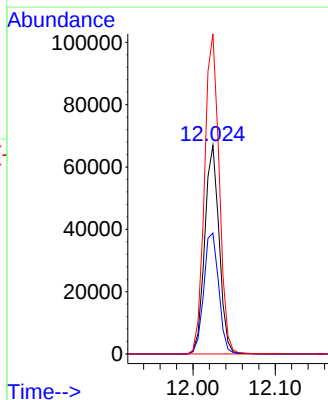
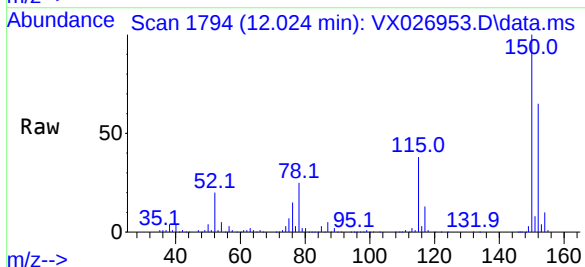
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7S

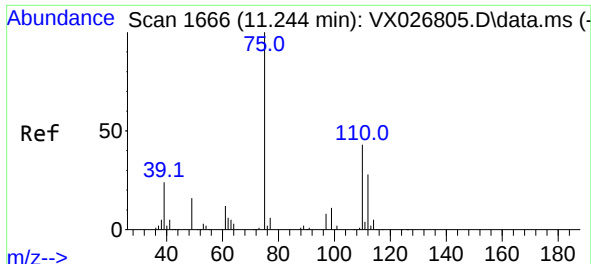
Tgt Ion:164 Resp: 247357  
Ion Ratio Lower Upper  
164 100  
166 128.3 101.8 152.6  
129 97.8 83.3 124.9  
131 94.5 78.0 117.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion:152 Resp: 81620  
Ion Ratio Lower Upper  
152 100  
115 60.1 44.2 132.6  
150 156.1 0.0 348.2

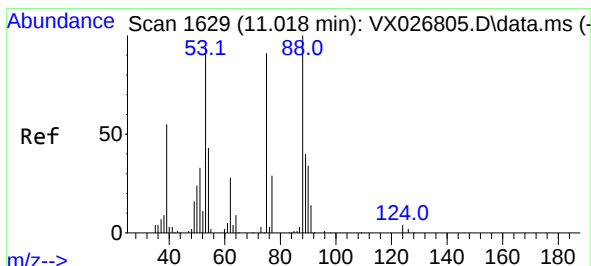
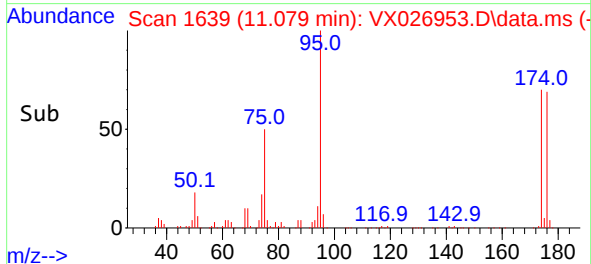
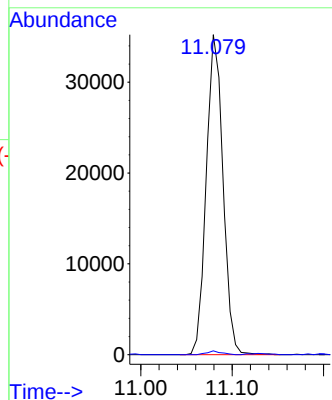
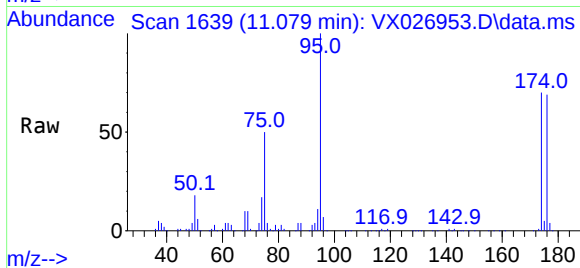




#76  
1,2,3-Trichloropropane  
Concen: 24.967 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.164 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

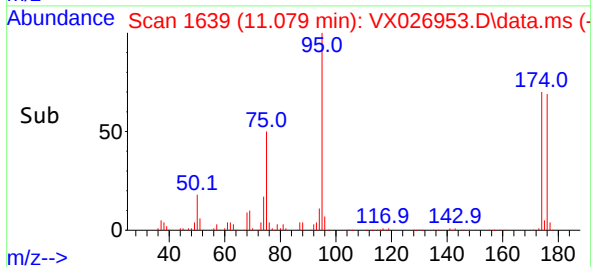
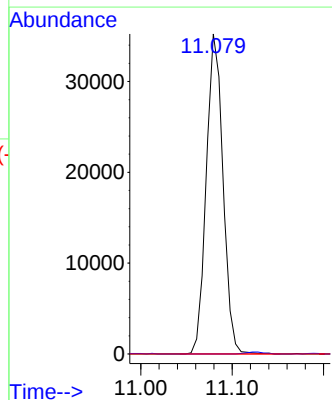
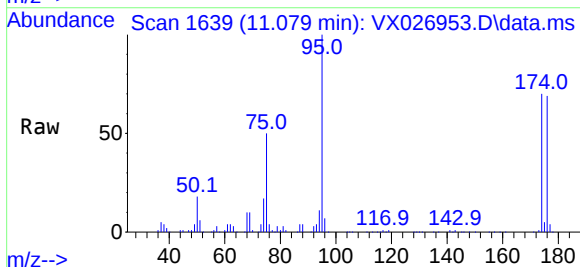
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ClientSampleId :  
MW-7S

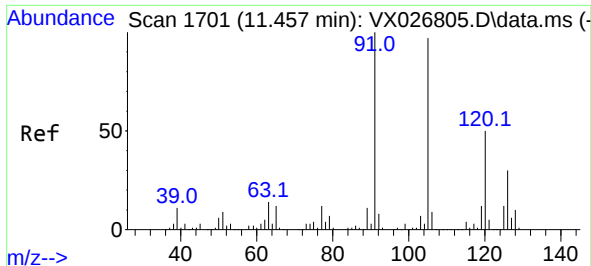
Tgt Ion: 75 Resp: 44608  
Ion Ratio Lower Upper  
75 100  
77 1.0 18.3 54.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.159 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion: 75 Resp: 44608  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.0 37.0 55.4#

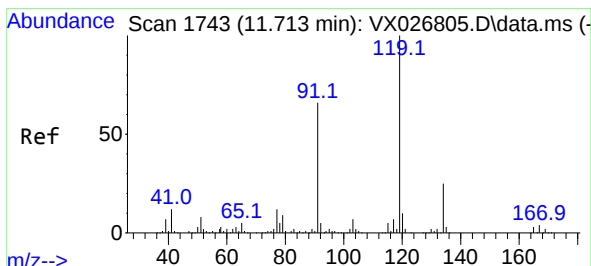
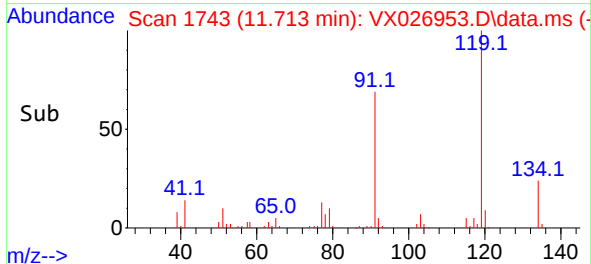
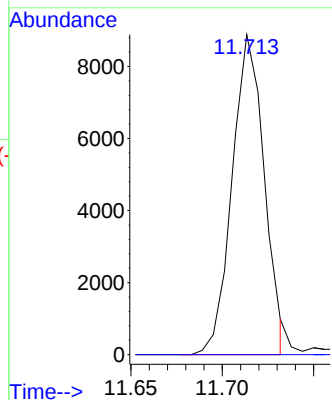
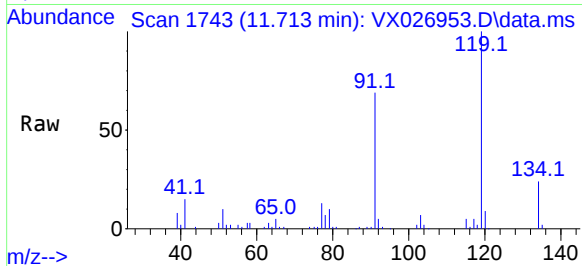




#82  
4-Chlorotoluene  
Concen: 2.196 ug/l  
RT: 11.713 min Scan# 1701  
Delta R.T. 0.256 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

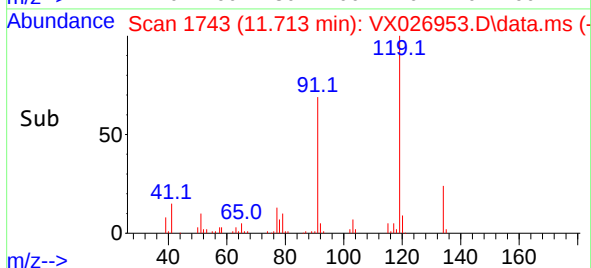
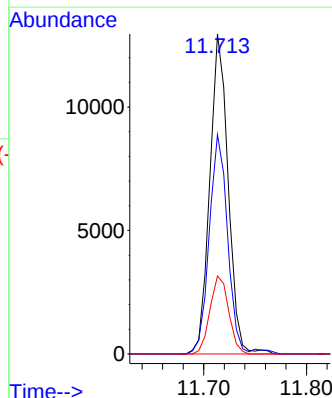
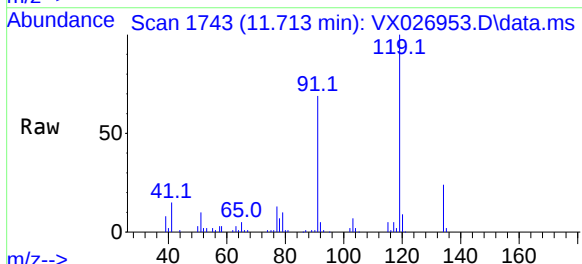
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ClientSampleId :  
MW-7S

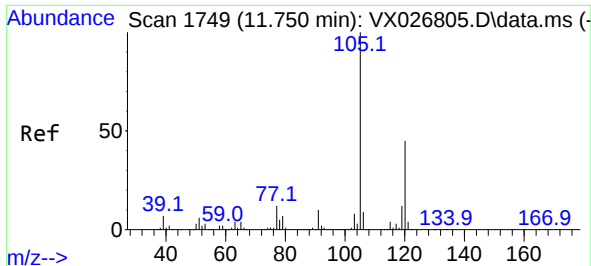
Tgt Ion: 91 Resp: 10847  
Ion Ratio Lower Upper  
91 100  
126 0.0 14.1 42.4#



#83  
tert-Butylbenzene  
Concen: 3.194 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. 0.000 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Tgt Ion: 119 Resp: 16107  
Ion Ratio Lower Upper  
119 100  
91 68.1 31.4 94.0  
134 24.8 11.8 35.3





#84  
1,2,4-Trimethylbenzene  
Concen: 0.272 ug/l  
RT: 11.756 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX026953.D  
Acq: 11 Feb 2022 05:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7S

Tgt Ion:105 Resp: 1450  
Ion Ratio Lower Upper  
105 100  
120 39.8 21.9 65.5

