

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW010522\  
 Data File : VW021740.D  
 Acq On : 05 Jan 2022 18:57  
 Operator : SY/VA  
 Sample : M5342-04  
 Misc : 6.44g/5.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-7-(0-2)

Quant Time: Jan 06 05:53:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W010522S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 05 14:56:42 2022  
 Response via : Initial Calibration

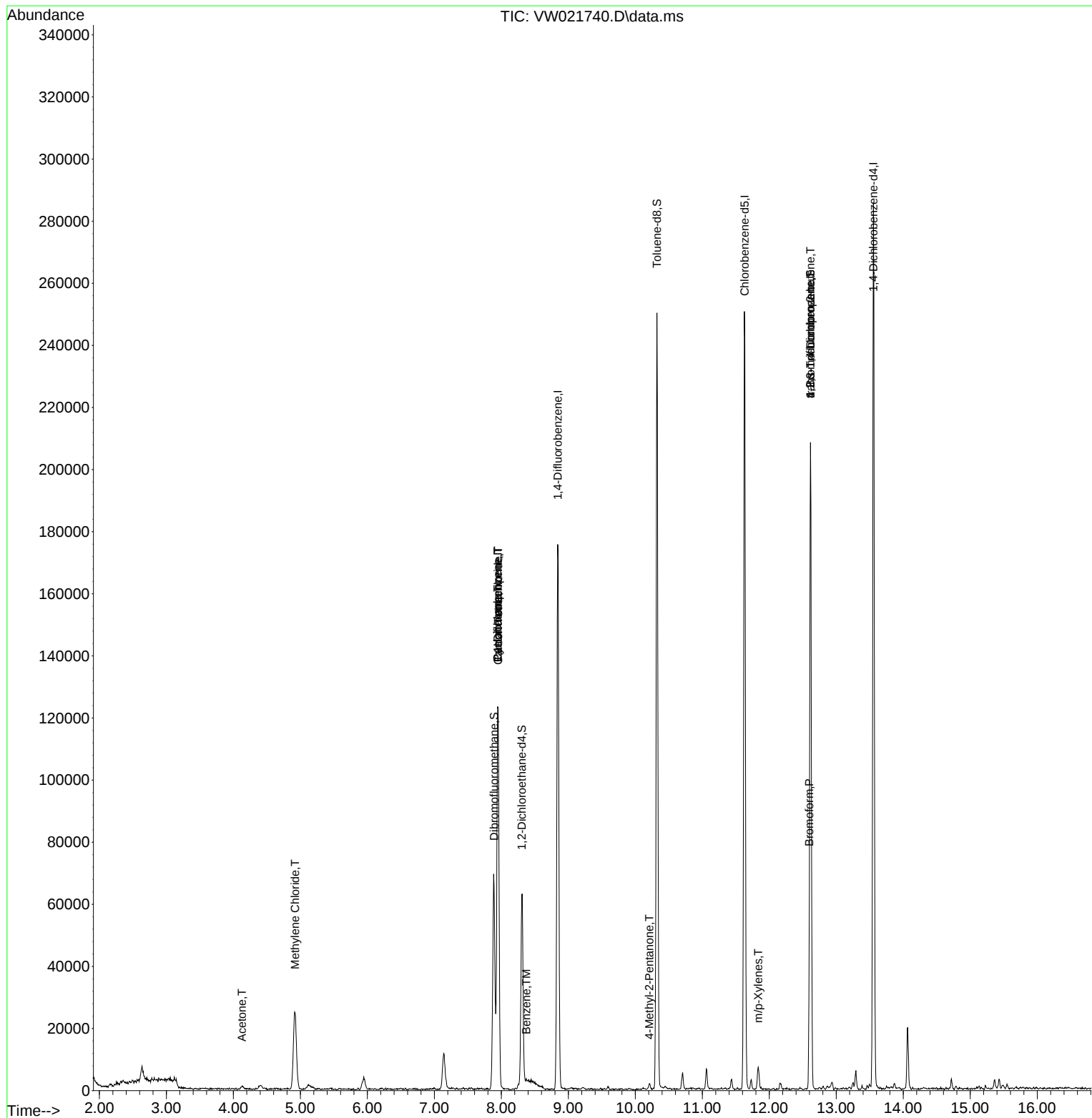
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.945          | 168  | 98491               | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.842          | 114  | 157728              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.634         | 117  | 149835              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 78710               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.305          | 65   | 50516               | 58.194    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 116.380% |           |        |          |
| 35) Dibromofluoromethane      | 7.891          | 113  | 47652               | 48.541    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 97.080%  |           |        |          |
| 50) Toluene-d8                | 10.323         | 98   | 164889              | 46.408    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 92.820%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.615         | 95   | 61789               | 46.851    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 93.700%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 11) Tert butyl alcohol        | 5.123          | 59   | 799                 | Below Cal | #      | 84       |
| 13) Acrolein                  | 3.964          | 56   | 20                  | Below Cal | #      | 11       |
| 16) Acetone                   | 4.129          | 43   | 1861                | 11.353    | ug/l   | 92       |
| 20) Methylene Chloride        | 4.922          | 84   | 20496               | 10.908    | ug/l   | 91       |
| 31) Cyclohexane               | 7.945          | 56   | 1979                | 1.311     | ug/l # | 19       |
| 36) 1,1-Dichloropropene       | 7.945          | 75   | 6832                | 4.897     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.952          | 117  | 9978                | 6.621     | ug/l # | 17       |
| 40) Benzene                   | 8.372          | 78   | 4211                | 1.061     | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.207         | 43   | 1069                | 2.342     | ug/l # | 83       |
| 68) m/p-Xylenes               | 11.835         | 106  | 2426                | 1.156     | ug/l   | 86       |
| 71) Bromoform                 | 12.597         | 173  | 40                  | 4.365     | ug/l # | 27       |
| 76) 1,2,3-Trichloropropane    | 12.615         | 75   | 31822               | 54.659    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.615         | 75   | 31822               | 155.085   | ug/l # | 9        |
| -----                         |                |      |                     |           |        |          |

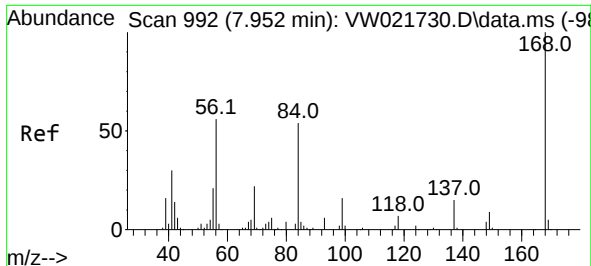
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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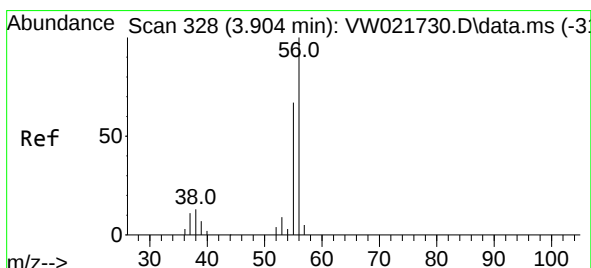
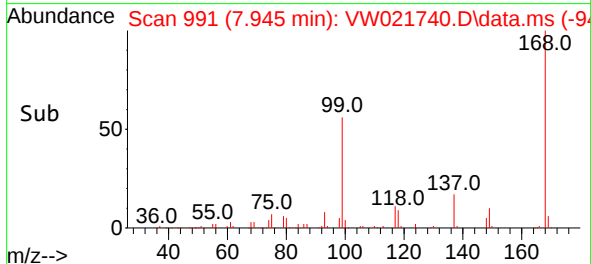
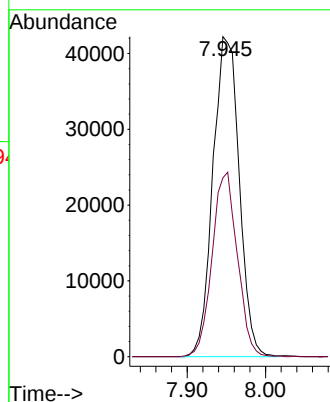
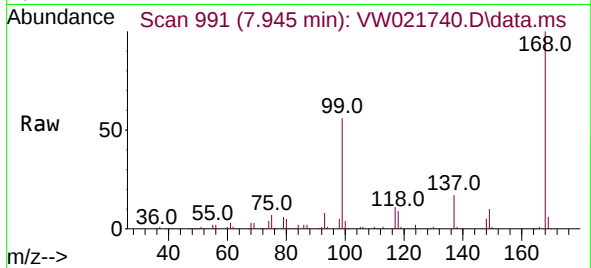




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.945 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

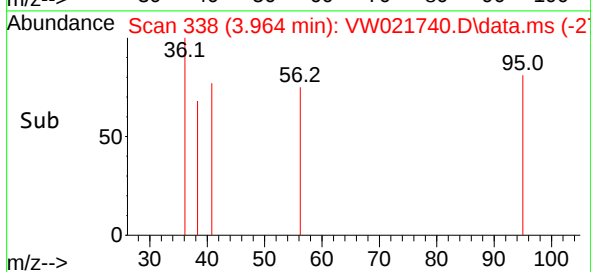
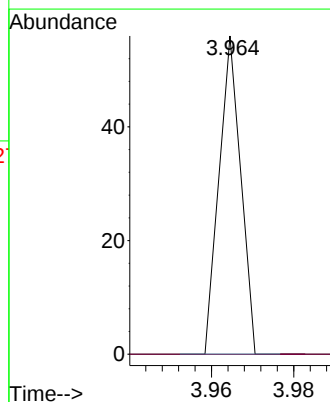
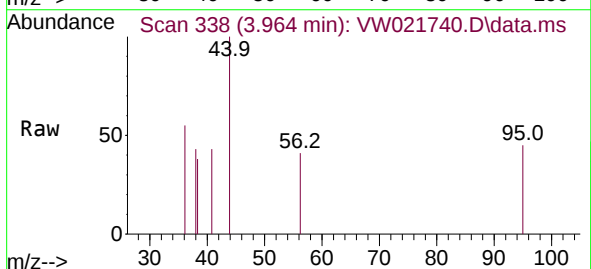
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-7-(0-2)

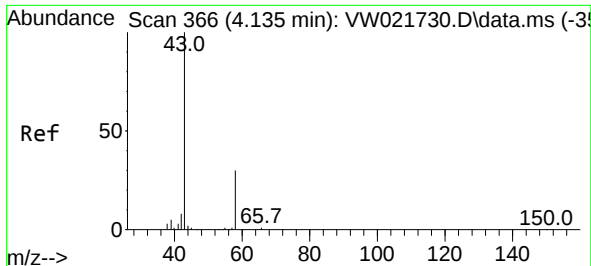
Tgt Ion:168 Resp: 98491  
Ion Ratio Lower Upper  
168 100  
99 55.9 41.6 62.4



#13  
Acrolein  
Concen: Below Cal  
RT: 3.964 min Scan# 338  
Delta R.T. 0.073 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

Tgt Ion: 56 Resp: 20  
Ion Ratio Lower Upper  
56 100  
55 0.0 61.2 91.8#

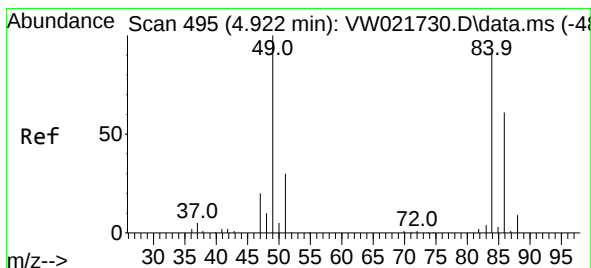
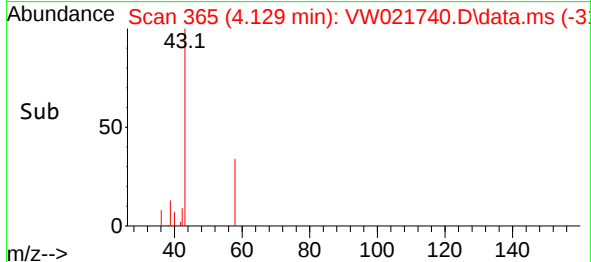
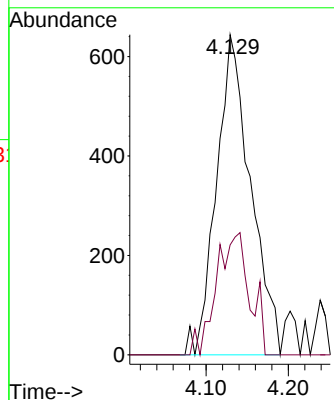
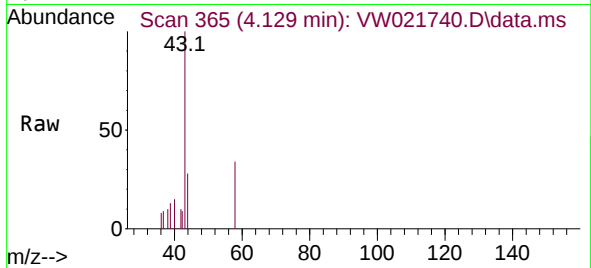




#16  
Acetone  
Concen: 11.353 ug/l  
RT: 4.129 min Scan# 30  
Delta R.T. 0.006 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

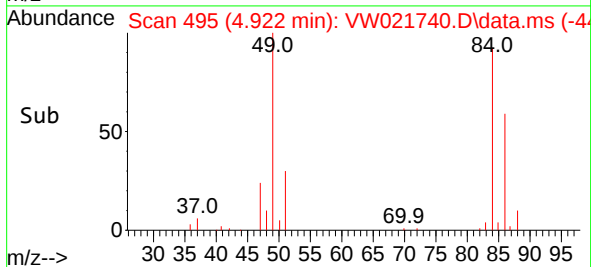
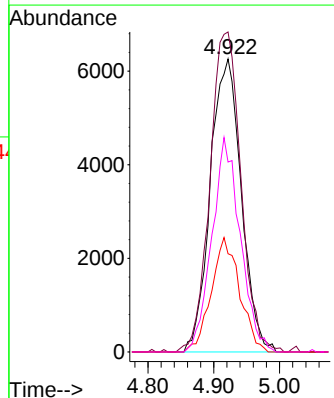
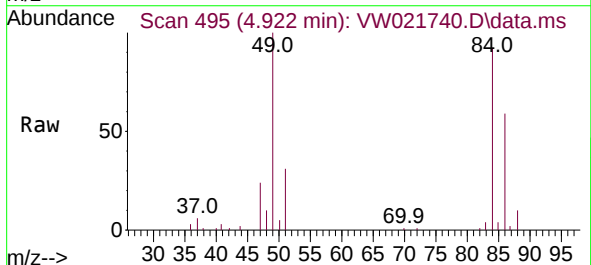
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MSVOA\_W  
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SB-7-(0-2)

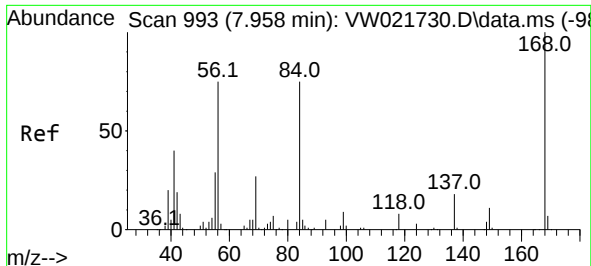
Tgt Ion: 43 Resp: 1861  
Ion Ratio Lower Upper  
43 100  
58 34.3 24.2 36.2



#20  
Methylene Chloride  
Concen: 10.908 ug/l  
RT: 4.922 min Scan# 495  
Delta R.T. 0.013 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

Tgt Ion: 84 Resp: 20496  
Ion Ratio Lower Upper  
84 100  
49 108.1 99.1 148.7  
51 33.6 28.8 43.2  
86 64.8 50.1 75.1

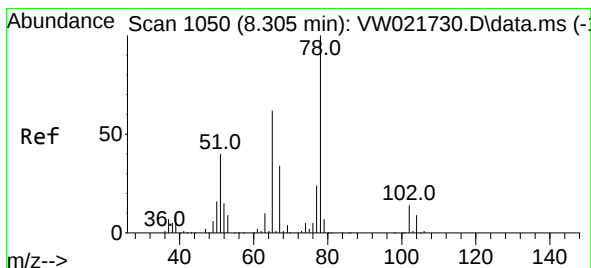
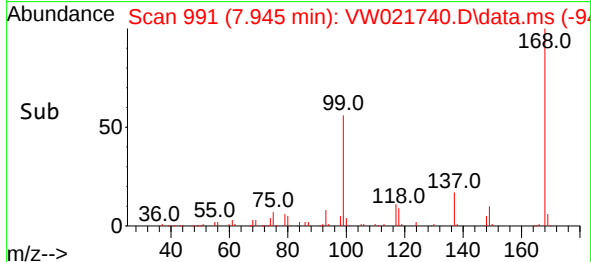
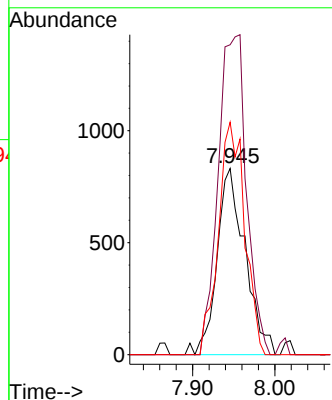
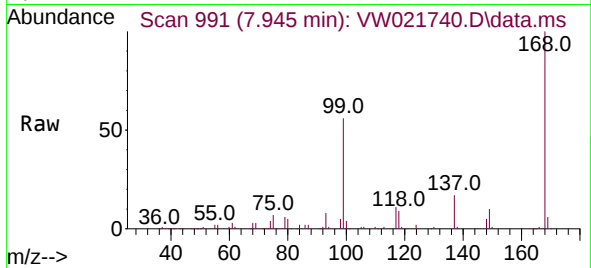




#31  
Cyclohexane  
Concen: 1.311 ug/l  
RT: 7.945 min Scan# 991  
Delta R.T. -0.012 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

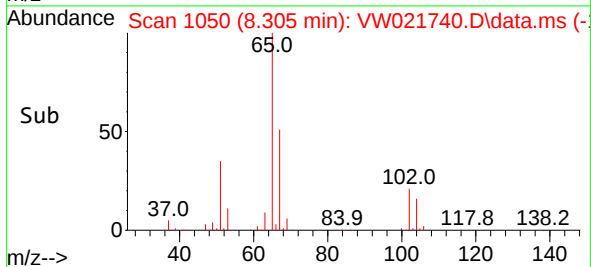
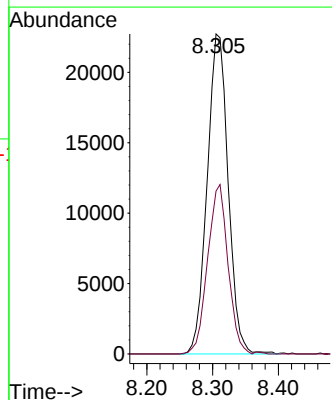
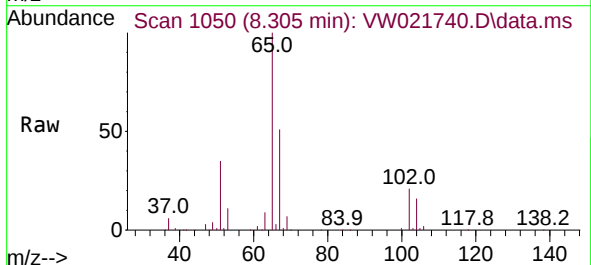
Instrument :  
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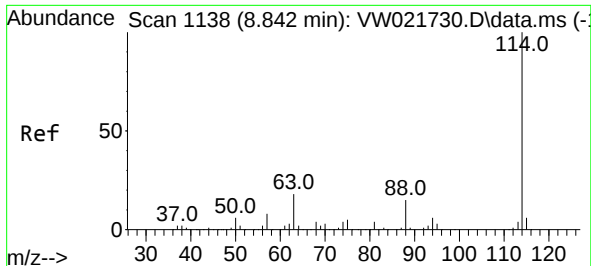
Tgt Ion: 56 Resp: 1979  
Ion Ratio Lower Upper  
56 100  
69 166.3 28.7 43.1#  
84 124.8 77.6 116.4#



#33  
1,2-Dichloroethane-d4  
Concen: 58.194 ug/l  
RT: 8.305 min Scan# 1050  
Delta R.T. 0.000 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

Tgt Ion: 65 Resp: 50516  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.842 min Scan# 1138

Delta R.T. 0.001 min

Lab File: VW021740.D

Acq: 05 Jan 2022 18:57

Instrument :

MSVOA\_W

ClientSampleId :

SB-7-(0-2)

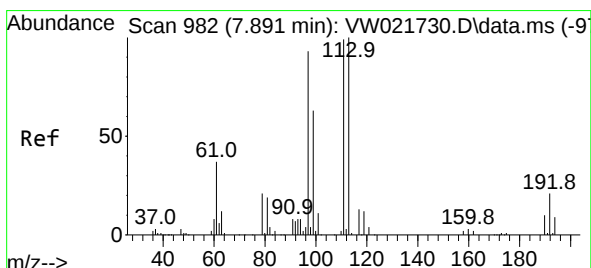
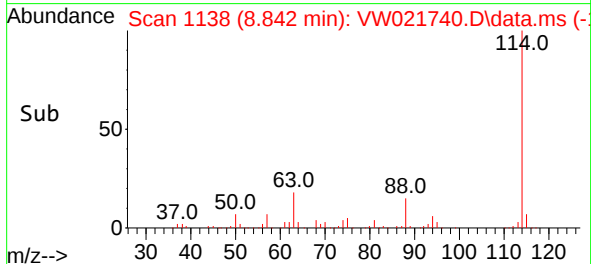
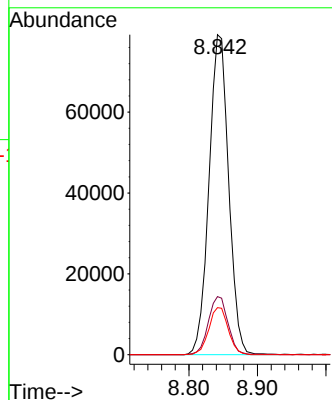
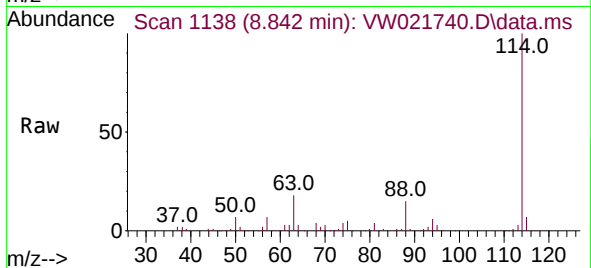
Tgt Ion:114 Resp: 157728

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.2

88 14.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.541 ug/l

RT: 7.891 min Scan# 982

Delta R.T. 0.007 min

Lab File: VW021740.D

Acq: 05 Jan 2022 18:57

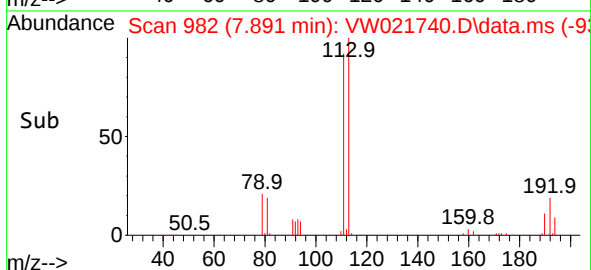
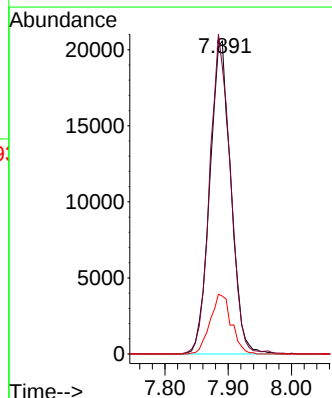
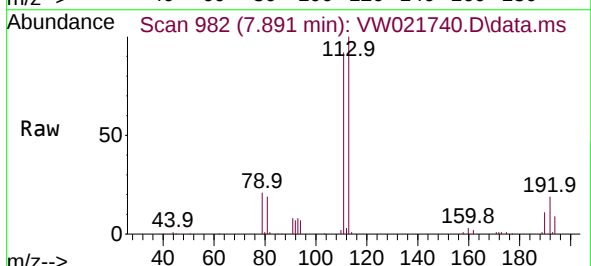
Tgt Ion:113 Resp: 47652

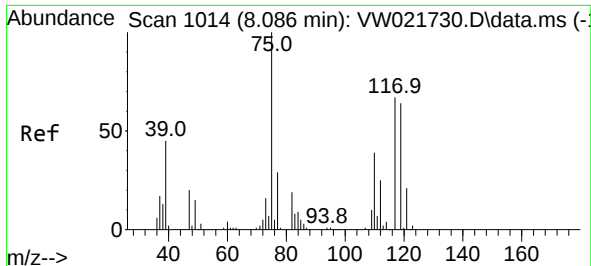
Ion Ratio Lower Upper

113 100

111 100.3 81.2 121.8

192 19.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.897 ug/l

RT: 7.945 min Scan# 991

Delta R.T. -0.141 min

Lab File: VW021740.D

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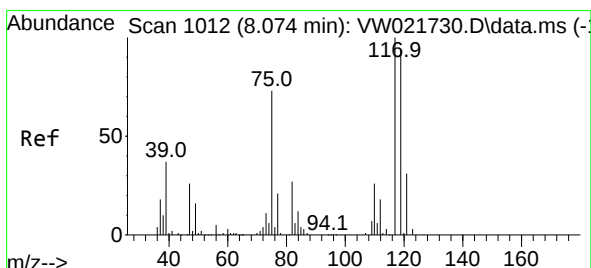
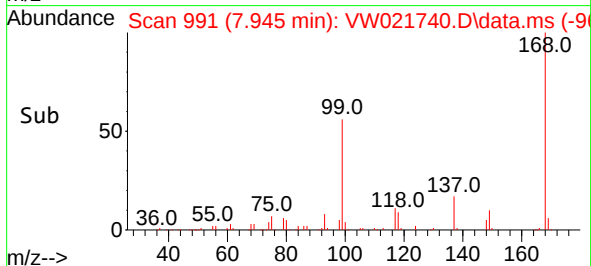
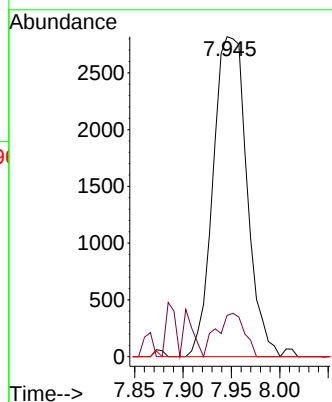
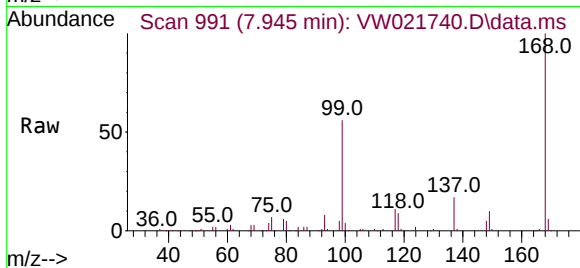
Tgt Ion: 75 Resp: 6832

Ion Ratio Lower Upper

75 100

110 11.2 19.1 57.5#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.621 ug/l

RT: 7.952 min Scan# 992

Delta R.T. -0.115 min

Lab File: VW021740.D

Acq: 05 Jan 2022 18:57

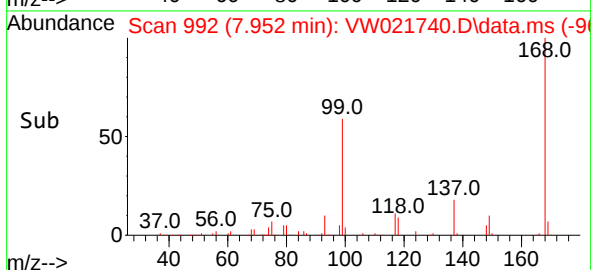
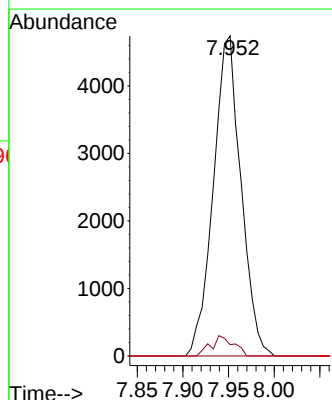
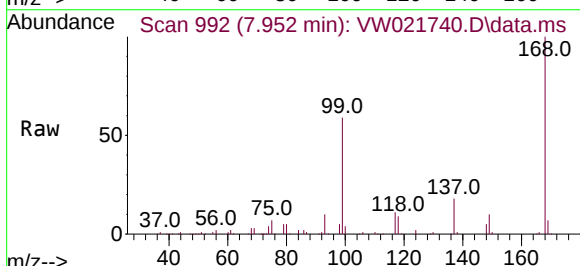
Tgt Ion: 117 Resp: 9978

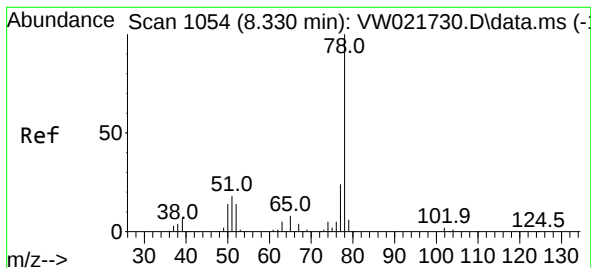
Ion Ratio Lower Upper

117 100

119 3.6 72.0 108.0#

121 0.0 22.6 33.8#





#40

Benzene

Concen: 1.061 ug/l

RT: 8.372 min Scan# 1061

Delta R.T. 0.049 min

Lab File: VW021740.D

Acq: 05 Jan 2022 18:57

Instrument :

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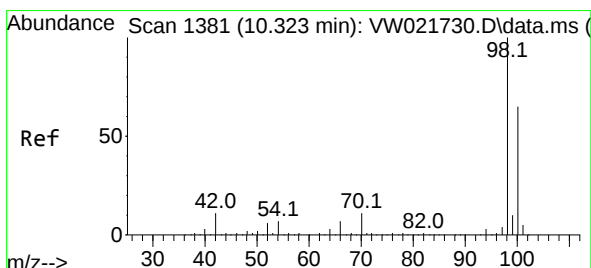
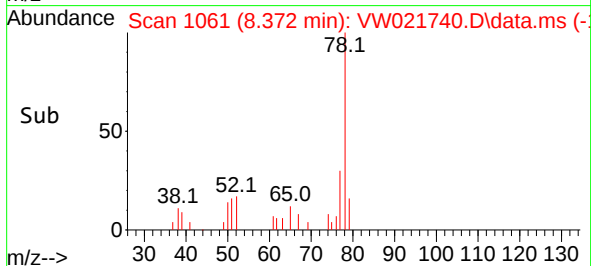
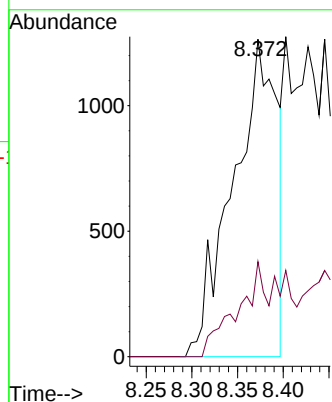
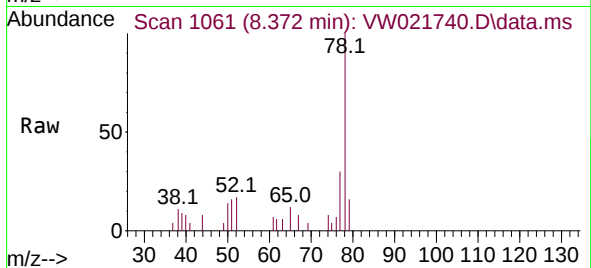
SB-7-(0-2)

Tgt Ion: 78 Resp: 4211

Ion Ratio Lower Upper

78 100

77 30.0 20.0 30.0



#50

Toluene-d8

Concen: 46.408 ug/l

RT: 10.323 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VW021740.D

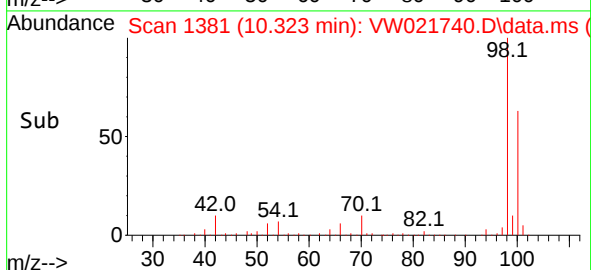
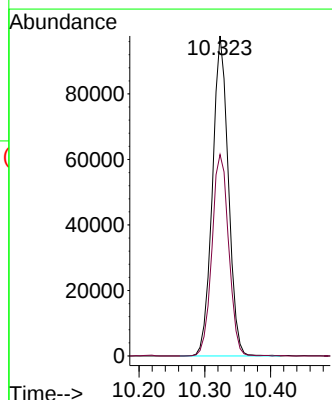
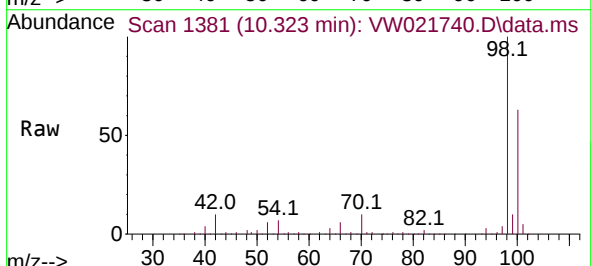
Acq: 05 Jan 2022 18:57

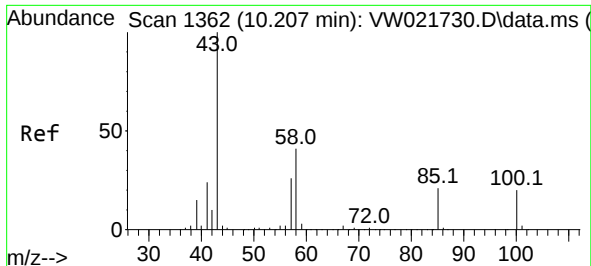
Tgt Ion: 98 Resp: 164889

Ion Ratio Lower Upper

98 100

100 65.9 52.6 79.0

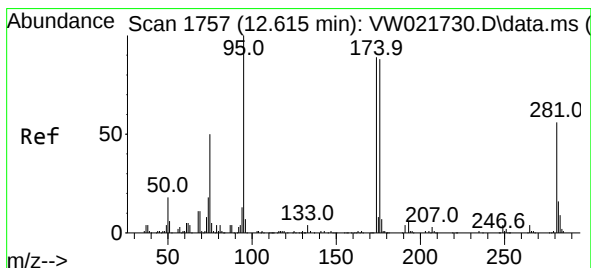
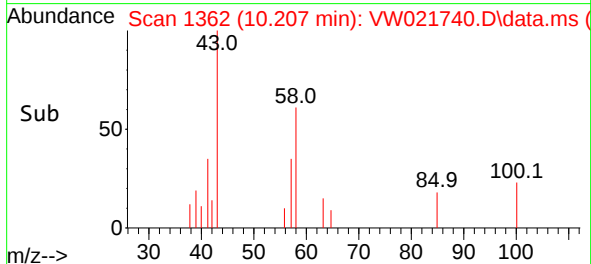
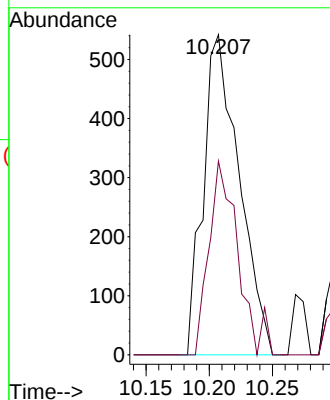
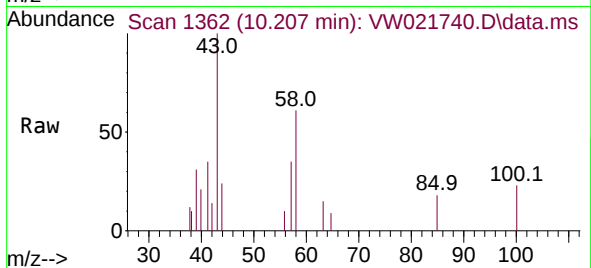




#51  
4-Methyl-2-Pentanone  
Concen: 2.342 ug/l  
RT: 10.207 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

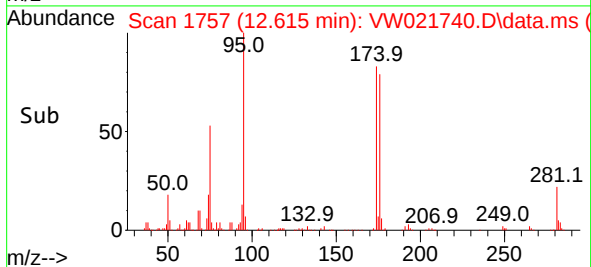
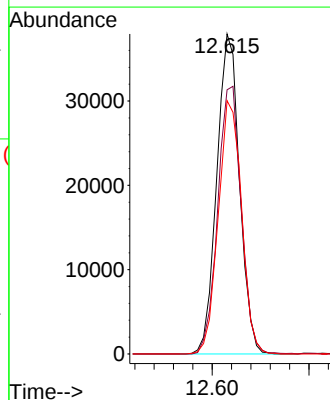
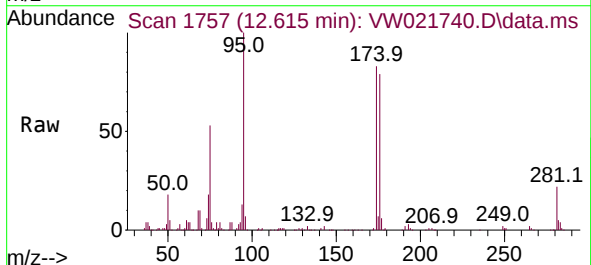
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-7-(0-2)

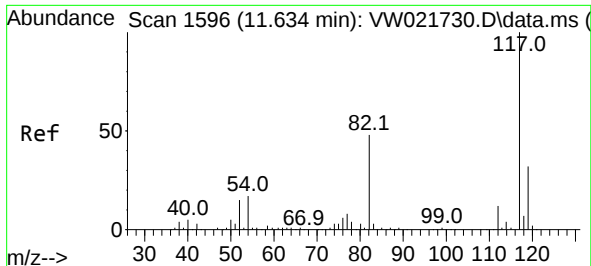
Tgt Ion: 43 Resp: 1069  
Ion Ratio Lower Upper  
43 100  
58 49.0 30.9 46.3#



#62  
4-Bromofluorobenzene  
Concen: 46.851 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. 0.000 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

Tgt Ion: 95 Resp: 61789  
Ion Ratio Lower Upper  
95 100  
174 86.2 0.0 171.2  
176 81.0 0.0 175.4

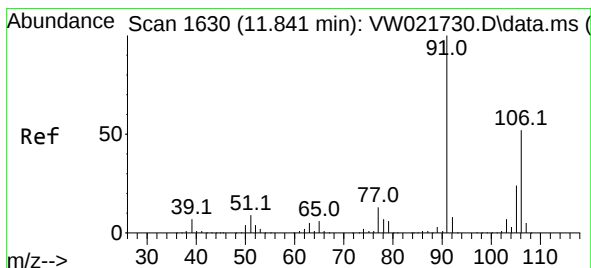
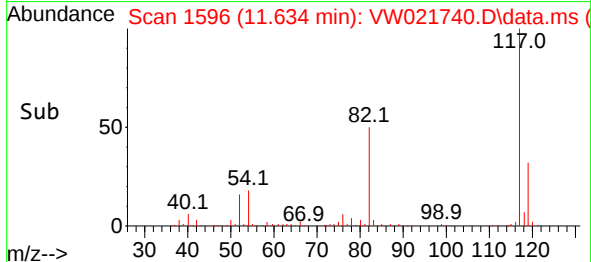
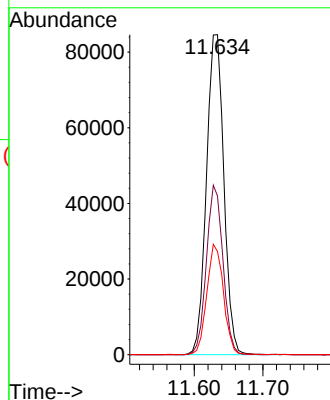
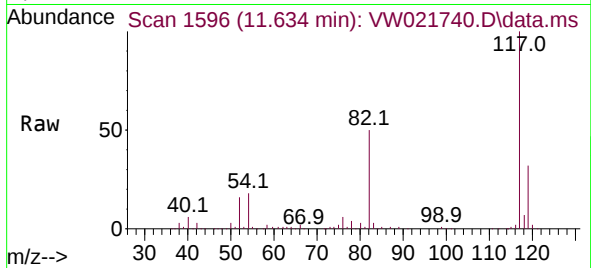




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.634 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

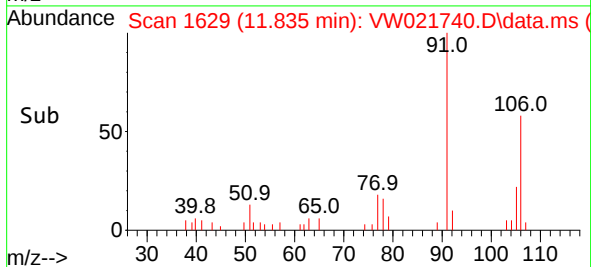
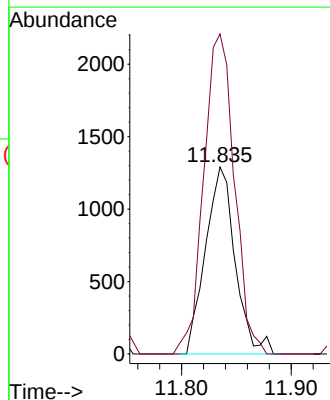
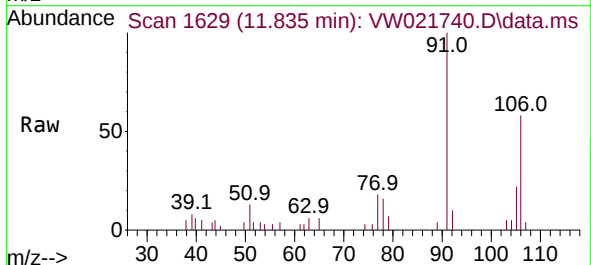
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-7-(0-2)

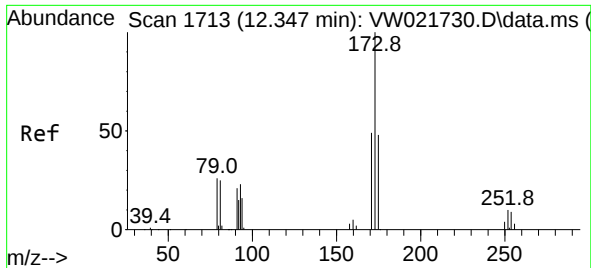
Tgt Ion:117 Resp: 149835  
Ion Ratio Lower Upper  
117 100  
82 49.6 41.4 62.2  
119 32.2 27.2 40.8



#68  
m/p-Xylenes  
Concen: 1.156 ug/l  
RT: 11.835 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

Tgt Ion:106 Resp: 2426  
Ion Ratio Lower Upper  
106 100  
91 176.8 157.8 236.8

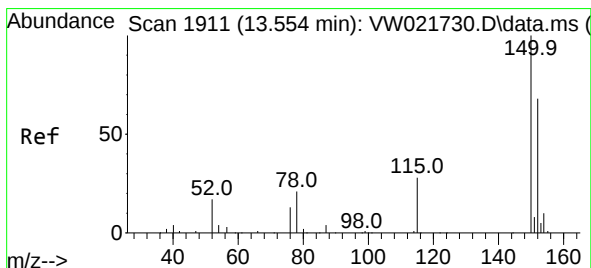
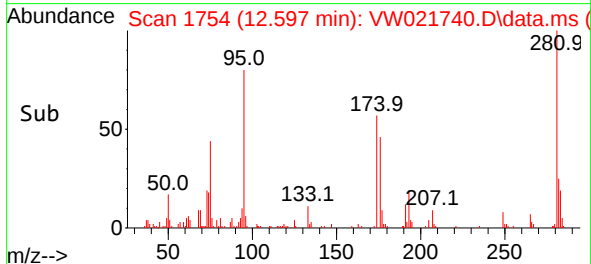
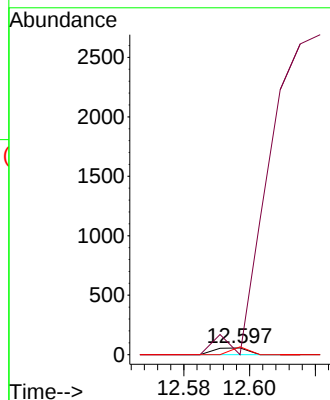
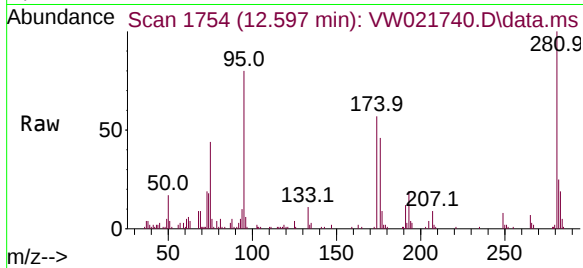




#71  
Bromoform  
Concen: 4.365 ug/l  
RT: 12.597 min Scan# 1713  
Delta R.T. 0.250 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

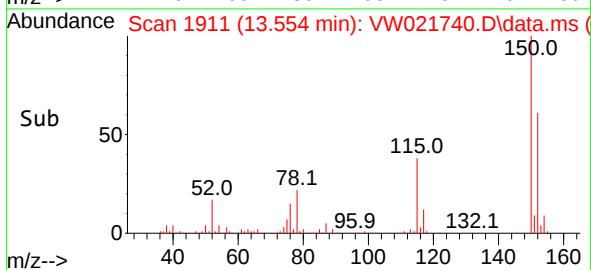
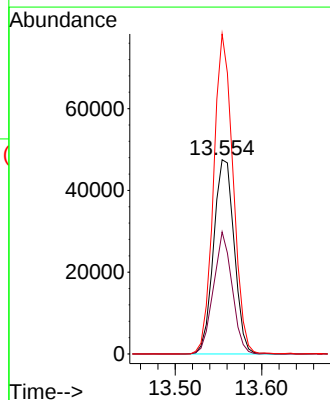
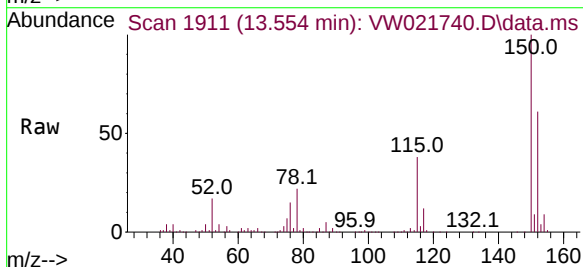
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-7-(0-2)

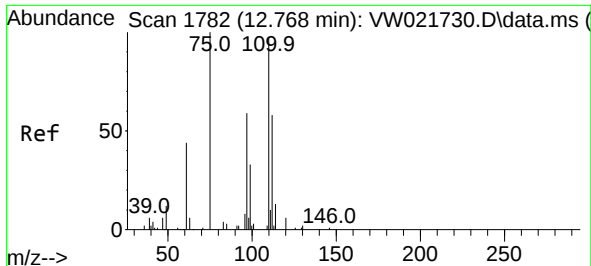
Tgt Ion:173 Resp: 40  
Ion Ratio Lower Upper  
173 100  
175 0.0 25.1 75.3#  
254 60.0 0.0 0.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.554 min Scan# 1911  
Delta R.T. 0.000 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

Tgt Ion:152 Resp: 78710  
Ion Ratio Lower Upper  
152 100  
115 56.8 27.8 83.3  
150 155.3 0.0 348.4

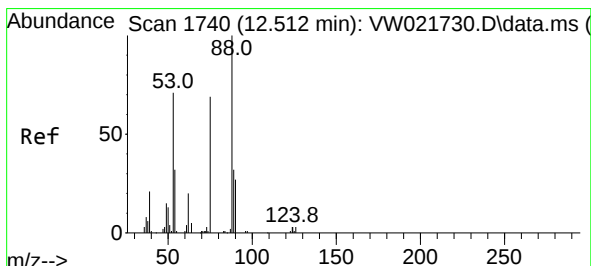
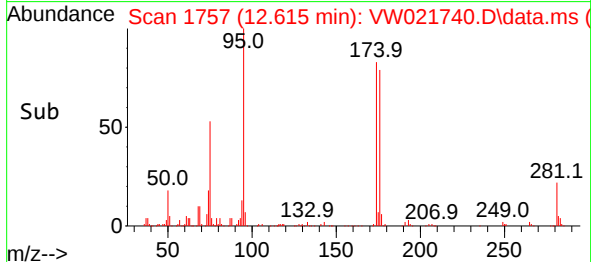
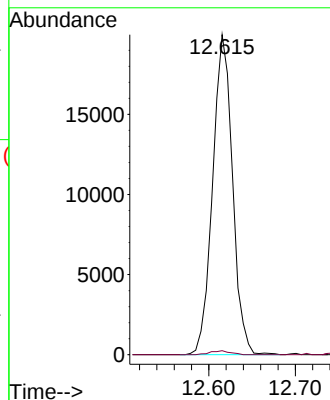
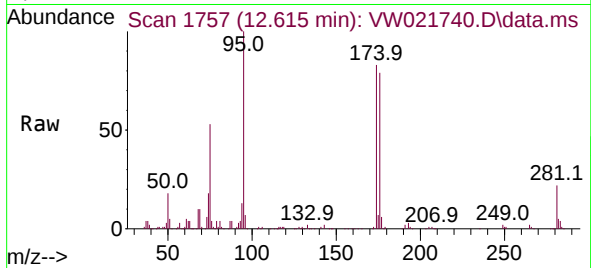




#76  
1,2,3-Trichloropropane  
Concen: 54.659 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. -0.153 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-7-(0-2)

Tgt Ion: 75 Resp: 31822  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 155.085 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. 0.103 min  
Lab File: VW021740.D  
Acq: 05 Jan 2022 18:57

Tgt Ion: 75 Resp: 31822  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.8 122.8#  
89 0.3 38.6 57.8#

