

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021822\  
 Data File : VN071006.D  
 Acq On : 18 Feb 2022 17:27  
 Operator : JC\MD  
 Sample : N1581-22  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SPRING-20220215

Quant Time: Feb 19 04:09:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021522W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 16 07:52:42 2022  
 Response via : Initial Calibration

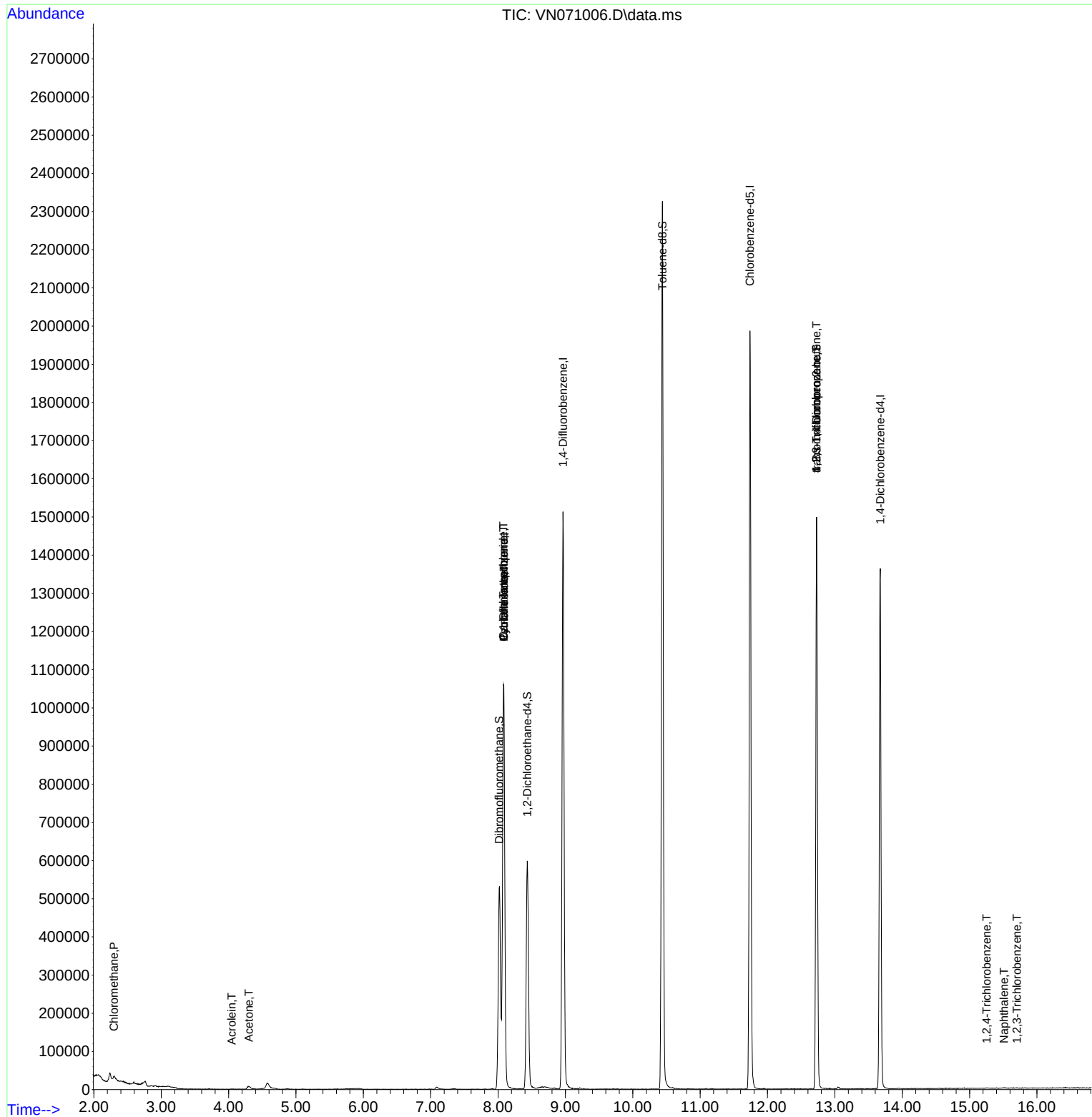
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.087          | 168  | 845252              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963          | 114  | 1335626             | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739         | 117  | 1180811             | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.674         | 152  | 391711              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.434          | 65   | 499226              | 51.704    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 103.400% |           |        |          |
| 35) Dibromofluoromethane      | 8.016          | 113  | 395049              | 49.727    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 99.460%  |           |        |          |
| 50) Toluene-d8                | 10.439         | 98   | 1608778             | 50.426    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 100.860% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.727         | 95   | 520898              | 45.678    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 91.360%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 3) Chloromethane              | 2.299          | 50   | 2939                | 0.266     | ug/l # | 87       |
| 13) Acrolein                  | 4.046          | 56   | 713                 | 0.453     | ug/l # | 82       |
| 16) Acetone                   | 4.299          | 43   | 12505               | 2.352     | ug/l   | 96       |
| 18) Methyl Acetate            | 4.846          | 43   | 920                 | Below Cal | #      | 51       |
| 31) Cyclohexane               | 8.087          | 56   | 16470               | 0.986     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.081          | 75   | 62738               | 4.820     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.081          | 117  | 81001               | 6.316     | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.727         | 75   | 263037              | 28.520    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727         | 75   | 263037              | 92.418    | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 15.251         | 180  | 640                 | 2.084     | ug/l # | 69       |
| 95) Naphthalene               | 15.510         | 128  | 2021                | 5.093     | ug/l # | 80       |
| 96) 1,2,3-Trichlorobenzene    | 15.704         | 180  | 574                 | 2.598     | ug/l # | 33       |
| -----                         |                |      |                     |           |        |          |

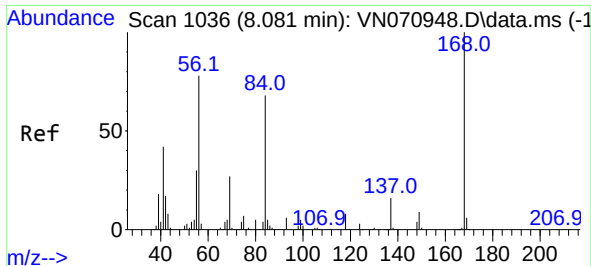
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

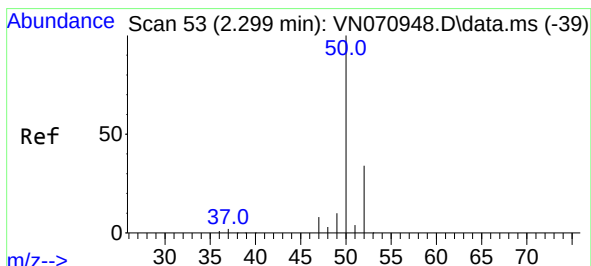
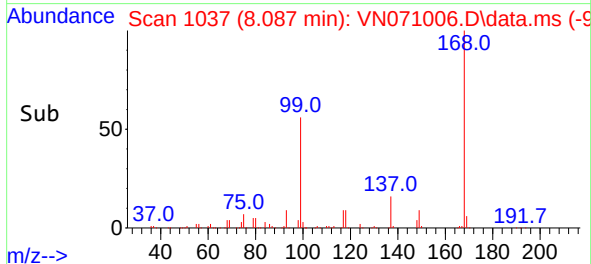
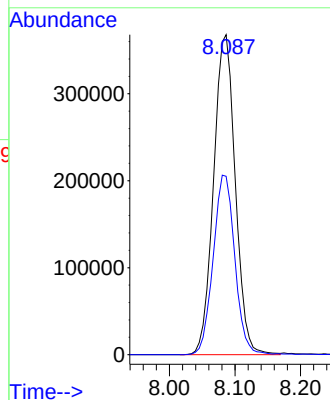
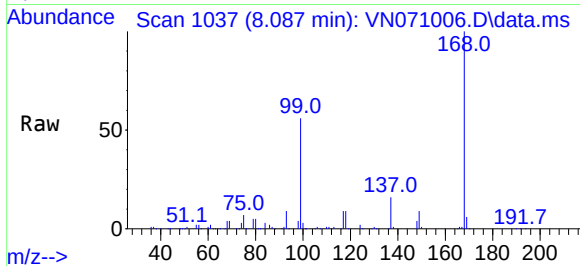




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.087 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

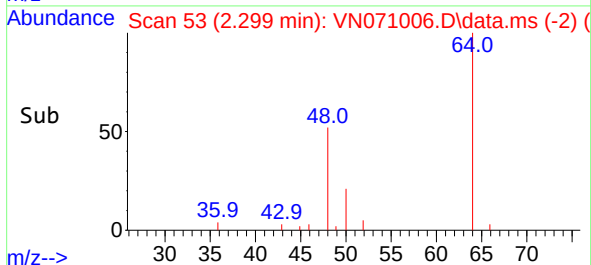
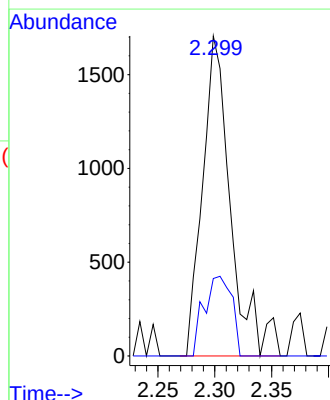
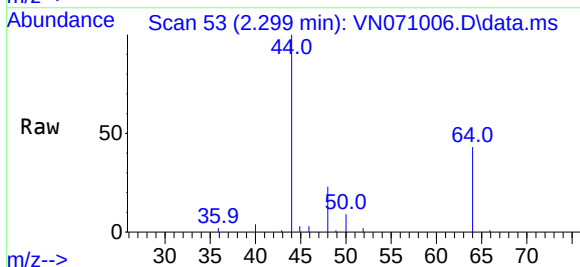
Instrument :  
MSVOA\_N  
ClientSampleId :  
SPRING-20220215

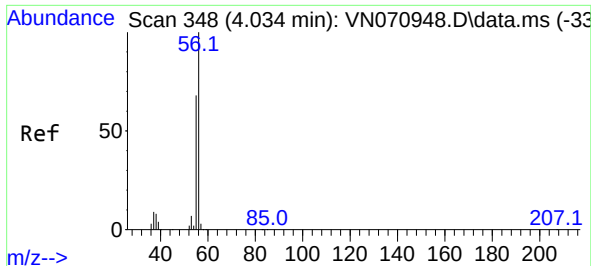
Tgt Ion:168 Resp: 845252  
Ion Ratio Lower Upper  
168 100  
99 55.7 41.3 61.9



#3  
Chloromethane  
Concen: 0.266 ug/l  
RT: 2.299 min Scan# 53  
Delta R.T. 0.000 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

Tgt Ion: 50 Resp: 2939  
Ion Ratio Lower Upper  
50 100  
52 24.2 25.4 38.0#

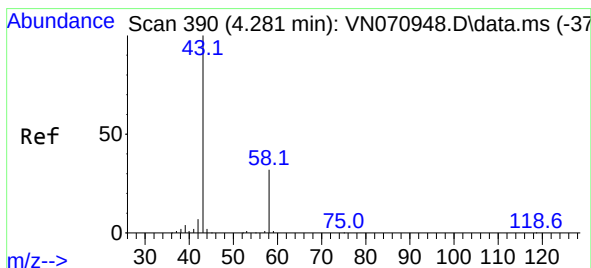
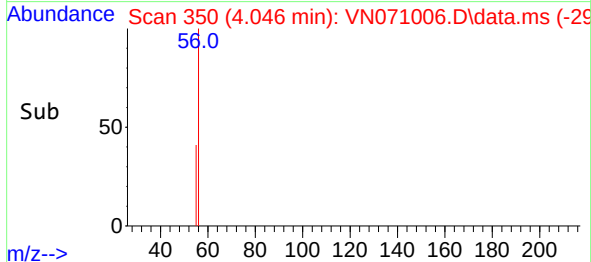
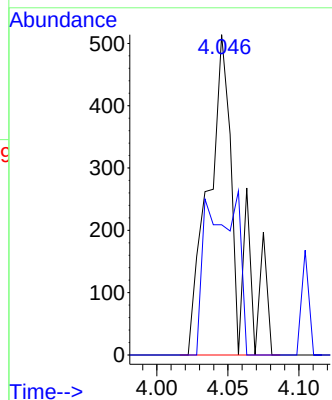
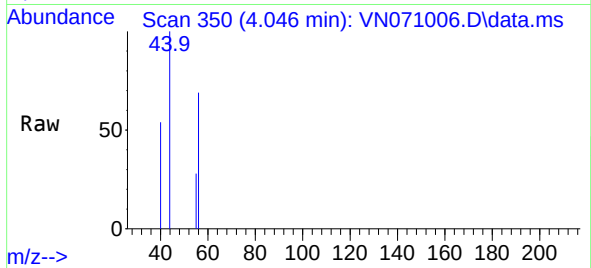




#13  
Acrolein  
Concen: 0.453 ug/l  
RT: 4.046 min Scan# 313  
Delta R.T. 0.012 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

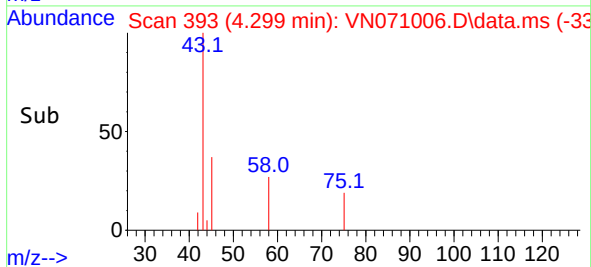
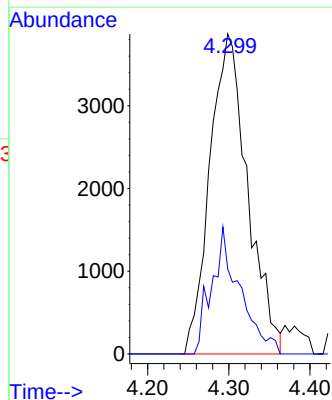
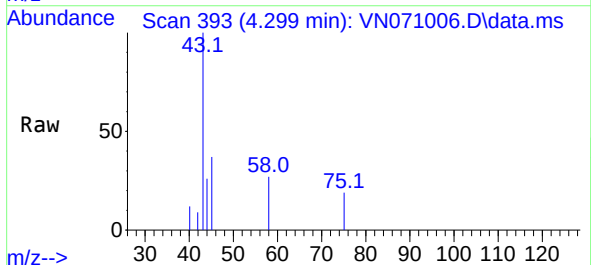
Instrument :  
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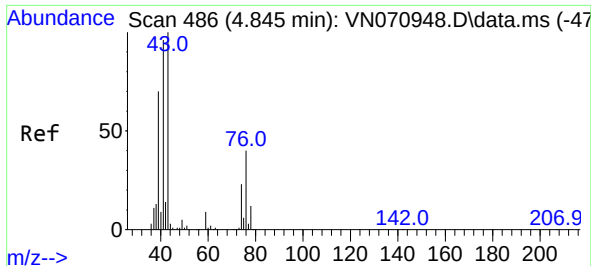
Tgt Ion: 56 Resp: 713  
Ion Ratio Lower Upper  
56 100  
55 56.0 56.6 85.0#



#16  
Acetone  
Concen: 2.352 ug/l  
RT: 4.299 min Scan# 393  
Delta R.T. 0.018 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

Tgt Ion: 43 Resp: 12505  
Ion Ratio Lower Upper  
43 100  
58 26.6 23.1 34.7





#18

Methyl Acetate

Concen: Below Cal

RT: 4.846 min Scan# 41

Delta R.T. 0.001 min

Lab File: VN071006.D

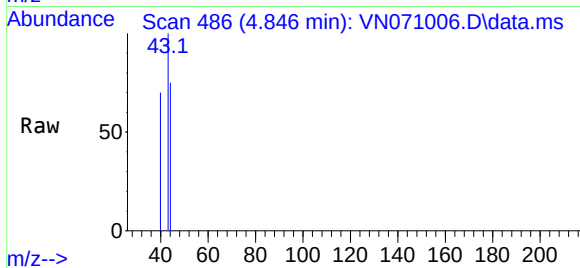
Acq: 18 Feb 2022 17:27

Instrument :

MSVOA\_N

ClientSampleId :

SPRING-20220215

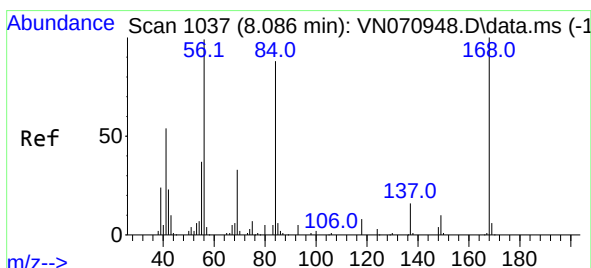
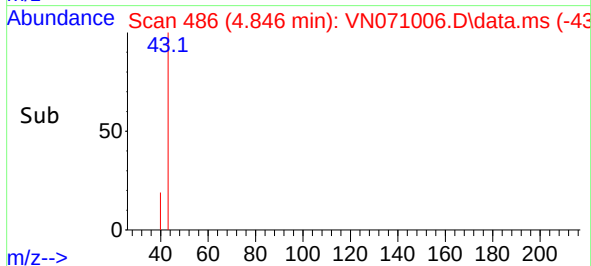
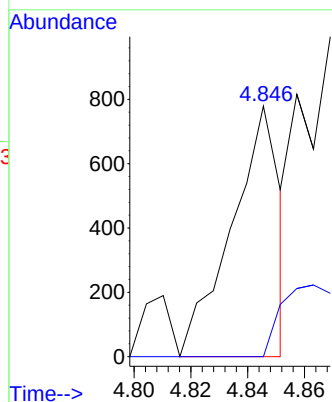


Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



#31

Cyclohexane

Concen: 0.986 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VN071006.D

Acq: 18 Feb 2022 17:27

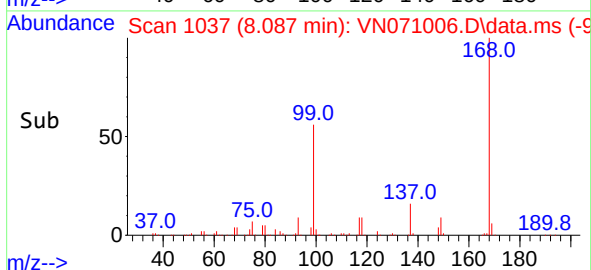
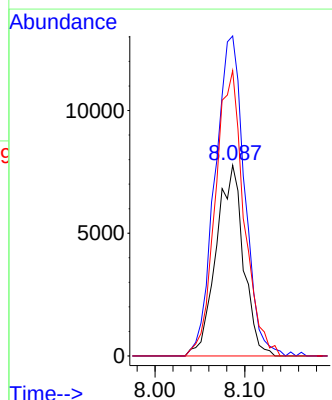
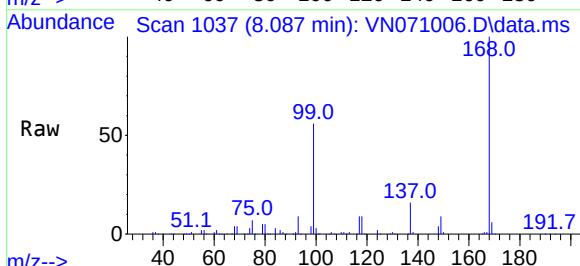
Tgt Ion: 56 Resp: 16470

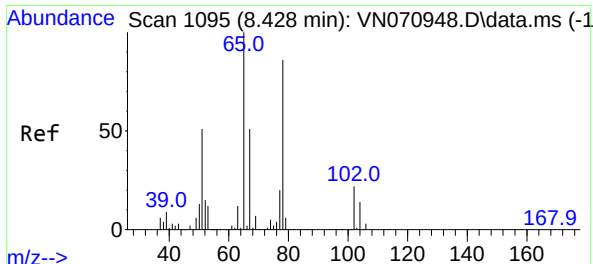
Ion Ratio Lower Upper

56 100

69 167.7 27.1 40.7#

84 149.5 73.4 110.0#

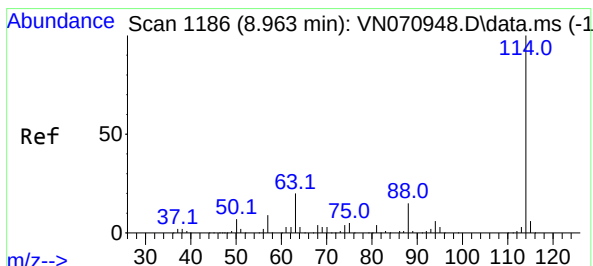
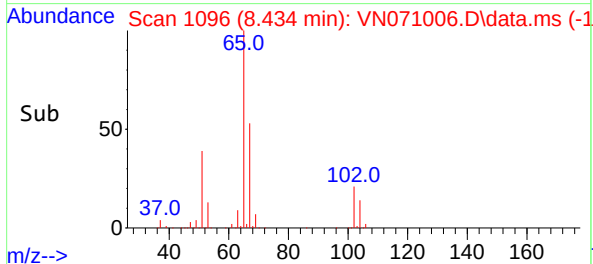
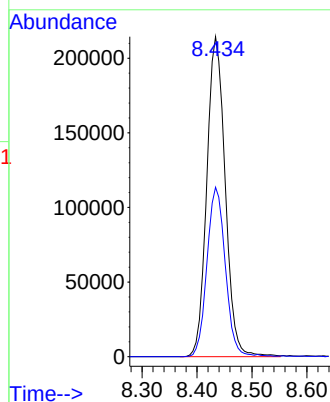
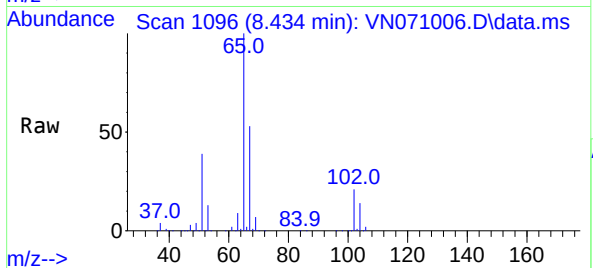




#33  
1,2-Dichloroethane-d4  
Concen: 51.704 ug/l  
RT: 8.434 min Scan# 1095  
Delta R.T. 0.006 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

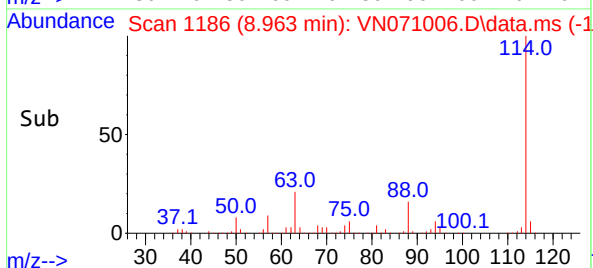
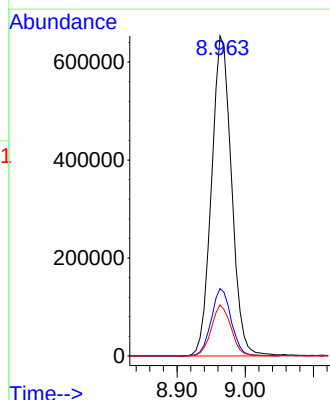
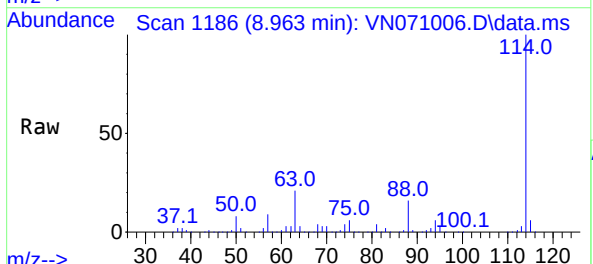
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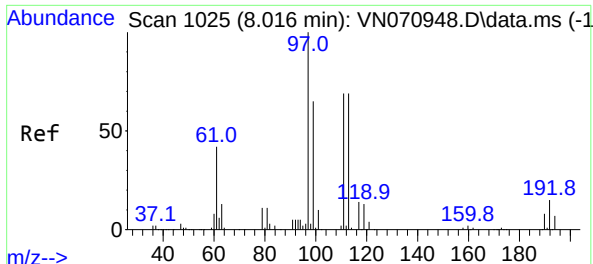
Tgt Ion: 65 Resp: 499226  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 103.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

Tgt Ion: 114 Resp: 1335626  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 37.8  
88 16.0 0.0 27.4

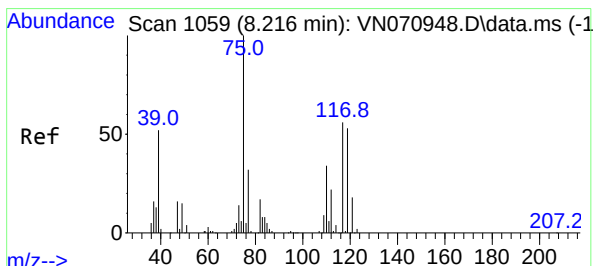
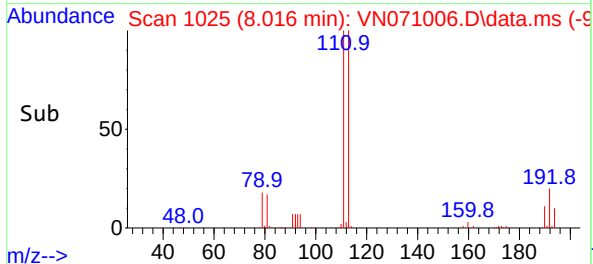
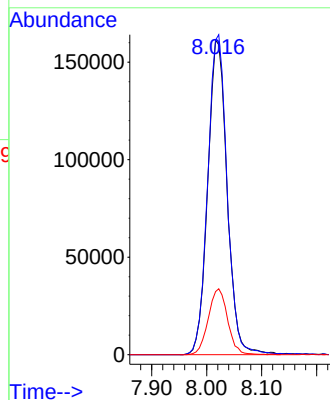
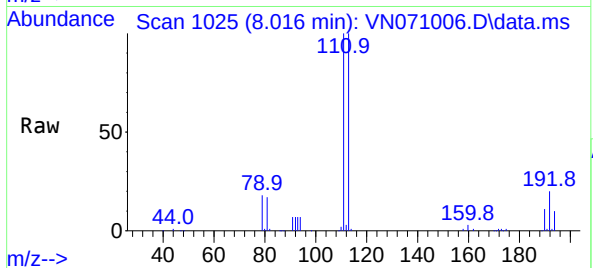




#35  
Dibromofluoromethane  
Concen: 49.727 ug/l  
RT: 8.016 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

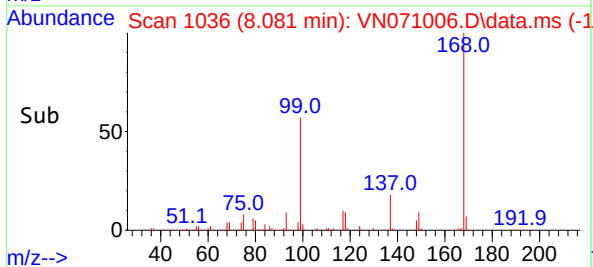
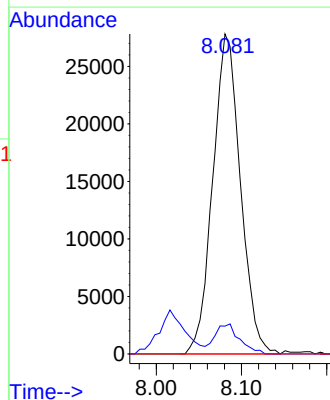
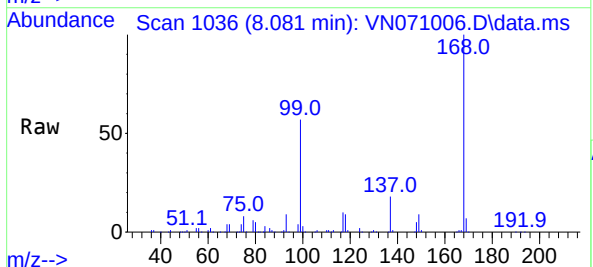
Instrument :  
MSVOA\_N  
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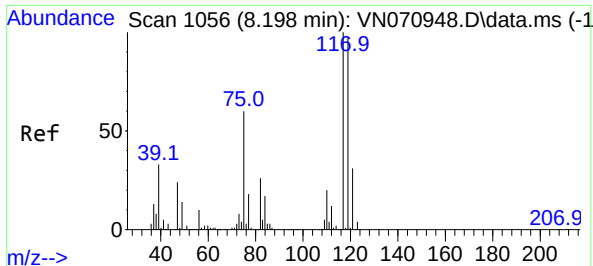
Tgt Ion:113 Resp: 395049  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.2 123.2  
192 20.9 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.820 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.135 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

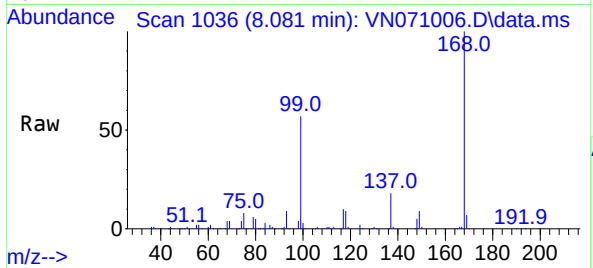
Tgt Ion: 75 Resp: 62738  
Ion Ratio Lower Upper  
75 100  
110 8.3 18.4 55.2#  
77 0.0 24.4 36.6#



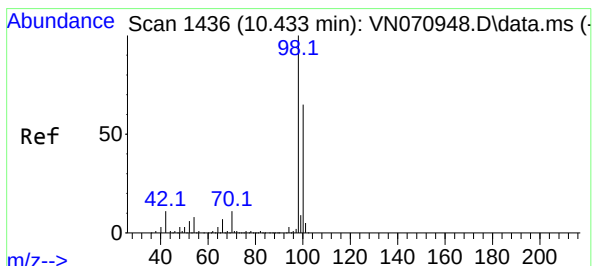
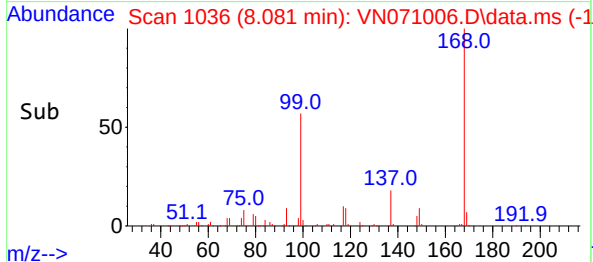
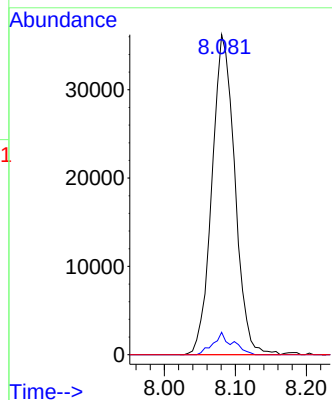


#38  
Carbon Tetrachloride  
Concen: 6.316 ug/l  
RT: 8.081 min Scan# 1056  
Delta R.T. -0.118 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

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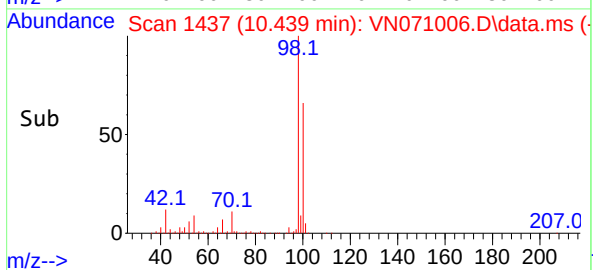
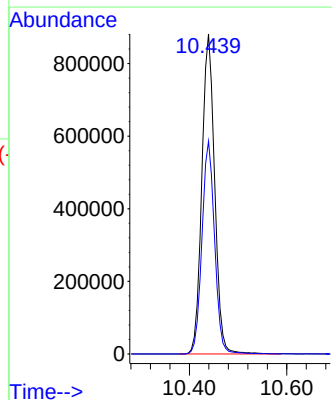
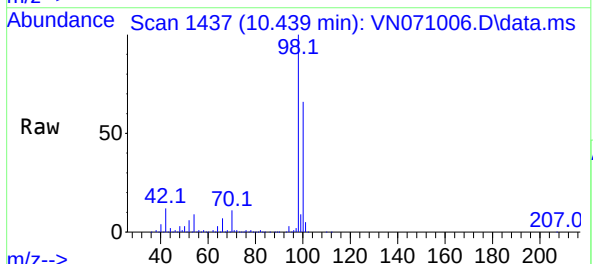


Tgt Ion:117 Resp: 81001  
Ion Ratio Lower Upper  
117 100  
119 7.0 76.1 114.1#  
121 0.0 24.2 36.2#

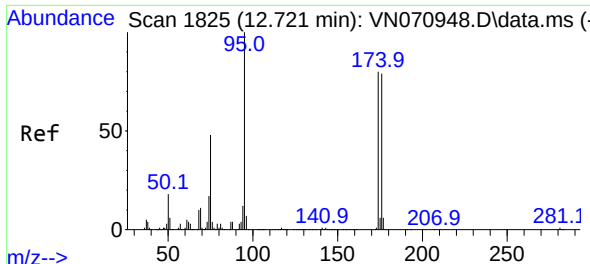


#50  
Toluene-d8  
Concen: 50.426 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.006 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

Tgt Ion: 98 Resp: 1608778  
Ion Ratio Lower Upper  
98 100  
100 65.5 50.4 75.6



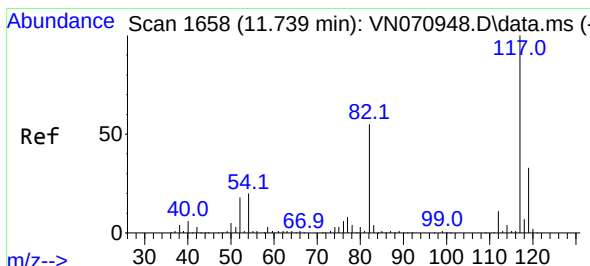
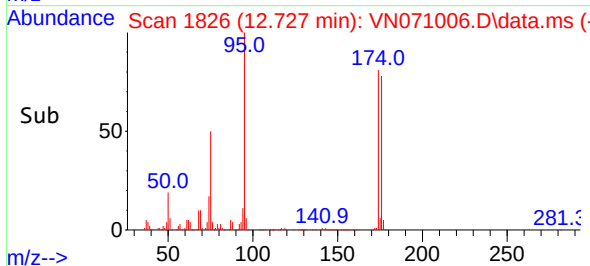
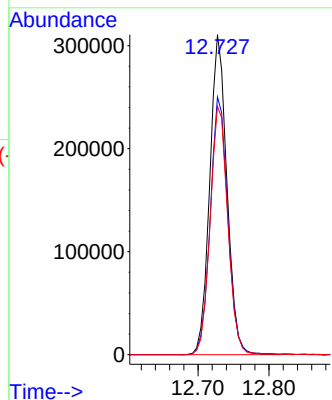
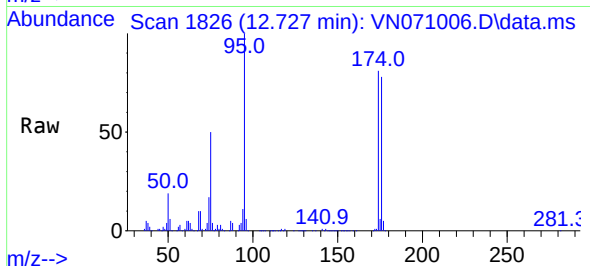




#62  
4-Bromofluorobenzene  
Concen: 45.678 ug/l  
RT: 12.727 min Scan# 118  
Delta R.T. 0.006 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

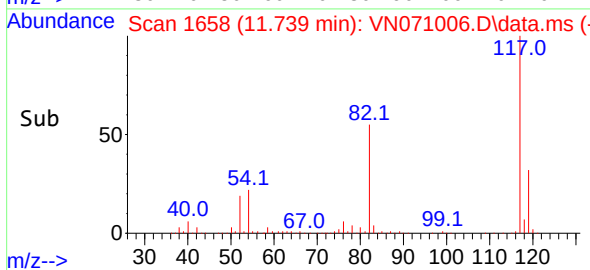
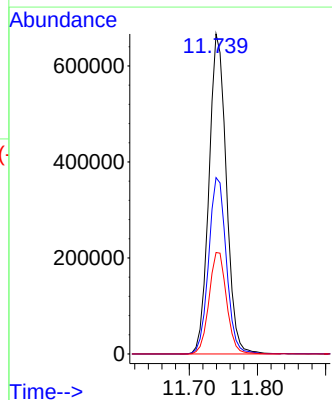
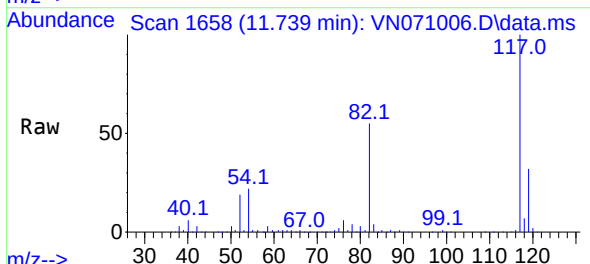
Instrument :  
MSVOA\_N  
ClientSampleId :  
SPRING-20220215

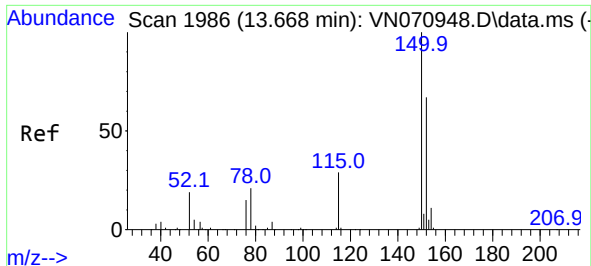
Tgt Ion: 95 Resp: 520898  
Ion Ratio Lower Upper  
95 100  
174 82.4 0.0 187.2  
176 79.8 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

Tgt Ion: 117 Resp: 1180811  
Ion Ratio Lower Upper  
117 100  
82 55.1 42.4 63.6  
119 31.7 25.4 38.2

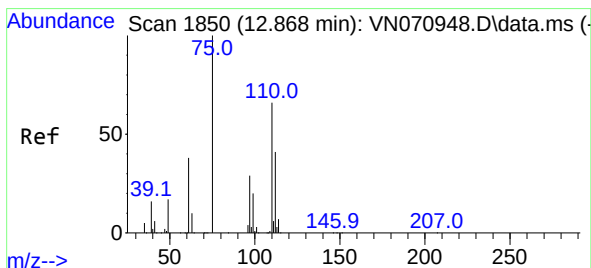
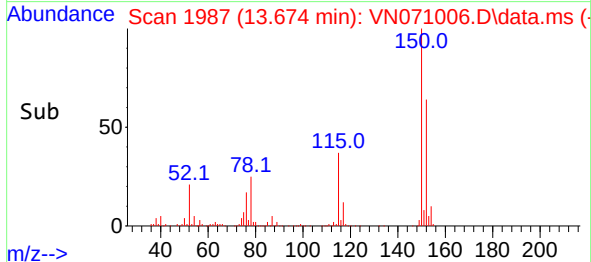
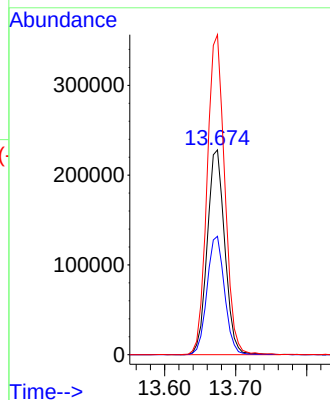
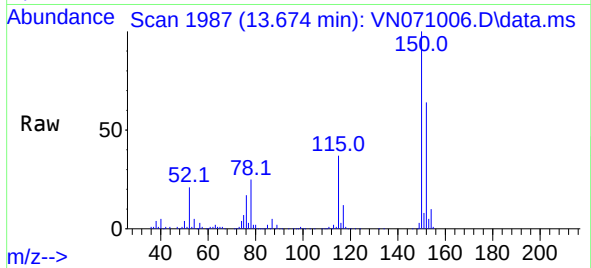




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.674 min Scan# 1987  
 Delta R.T. 0.006 min  
 Lab File: VN071006.D  
 Acq: 18 Feb 2022 17:27

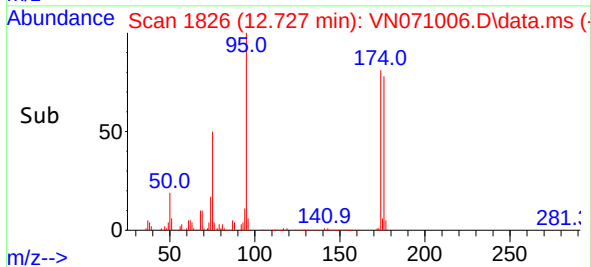
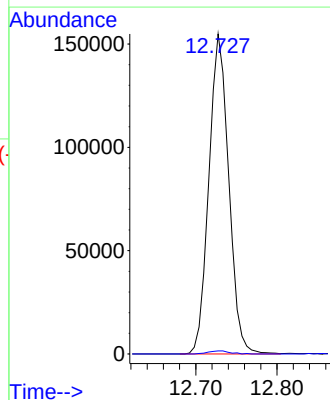
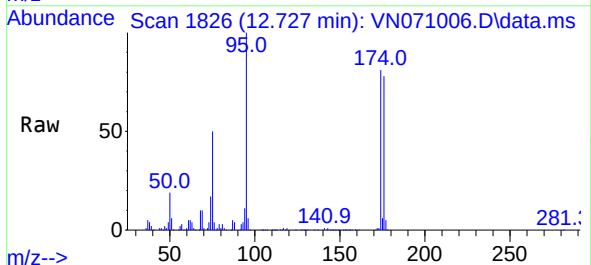
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SPRING-20220215

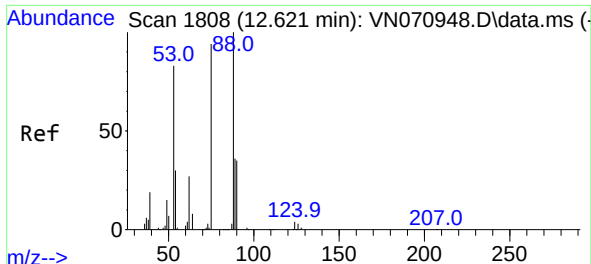
Tgt Ion:152 Resp: 391711  
 Ion Ratio Lower Upper  
 152 100  
 115 57.9 27.5 82.5  
 150 157.3 0.0 344.4



#76  
 1,2,3-Trichloropropane  
 Concen: 28.520 ug/l  
 RT: 12.727 min Scan# 1826  
 Delta R.T. -0.141 min  
 Lab File: VN071006.D  
 Acq: 18 Feb 2022 17:27

Tgt Ion: 75 Resp: 263037  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 82.6 247.8#

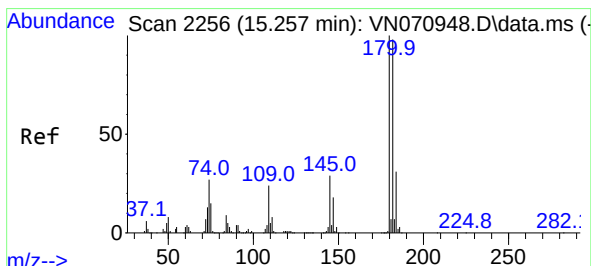
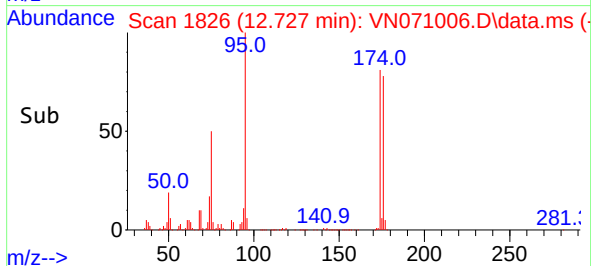
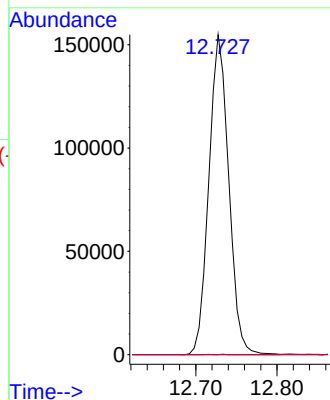
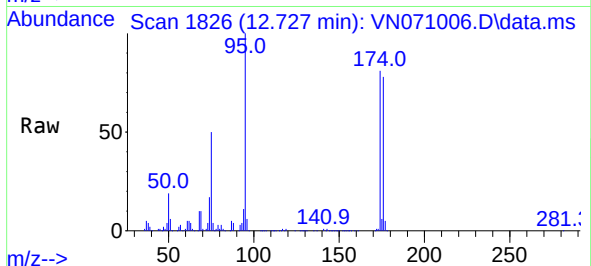




#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.418 ug/l  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.106 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

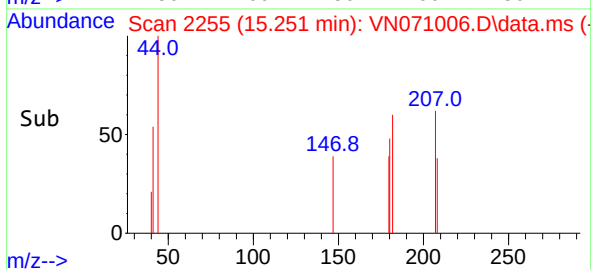
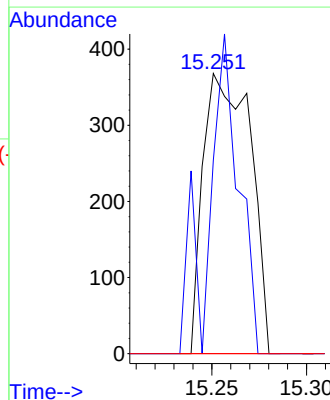
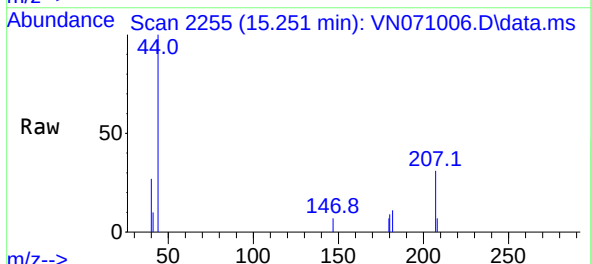
Instrument :  
MSVOA\_N  
ClientSampleId :  
SPRING-20220215

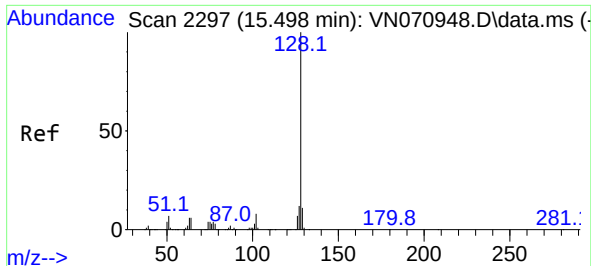
Tgt Ion: 75 Resp: 263037  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 38.2 57.4#



#93  
1,2,4-Trichlorobenzene  
Concen: 2.084 ug/l  
RT: 15.251 min Scan# 2255  
Delta R.T. -0.006 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

Tgt Ion:180 Resp: 640  
Ion Ratio Lower Upper  
180 100  
182 73.6 48.3 144.9  
145 0.0 14.5 43.5#

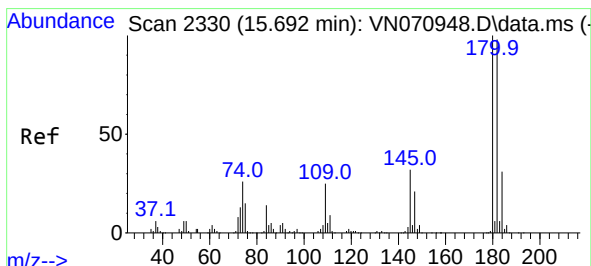
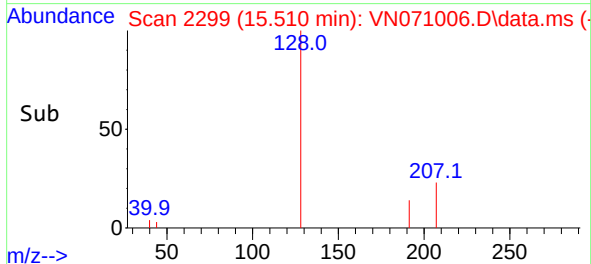
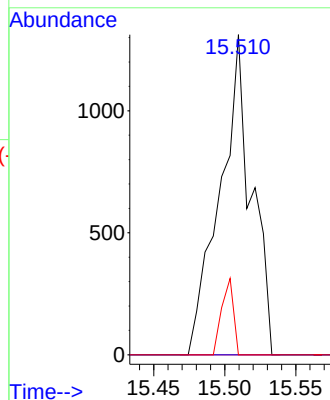
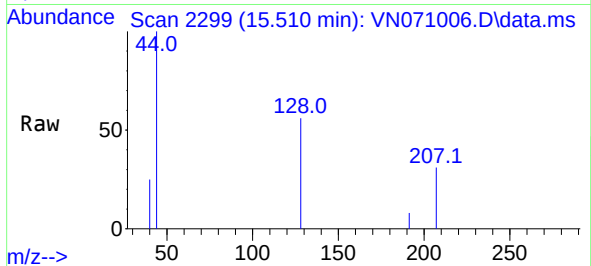




#95  
Naphthalene  
Concen: 5.093 ug/l  
RT: 15.510 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
SPRING-20220215

Tgt Ion:128 Resp: 2021  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.5 15.7#  
129 8.9 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 2.598 ug/l  
RT: 15.704 min Scan# 2332  
Delta R.T. 0.012 min  
Lab File: VN071006.D  
Acq: 18 Feb 2022 17:27

Tgt Ion:180 Resp: 574  
Ion Ratio Lower Upper  
180 100  
182 163.9 47.4 142.2#  
145 0.0 15.0 45.1#

