

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031422\  
 Data File : VN071259.D  
 Acq On : 14 Mar 2022 11:28  
 Operator : JC\MD  
 Sample : VN0314WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0314WBL01

Quant Time: Mar 15 02:49:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 06:52:46 2022  
 Response via : Initial Calibration

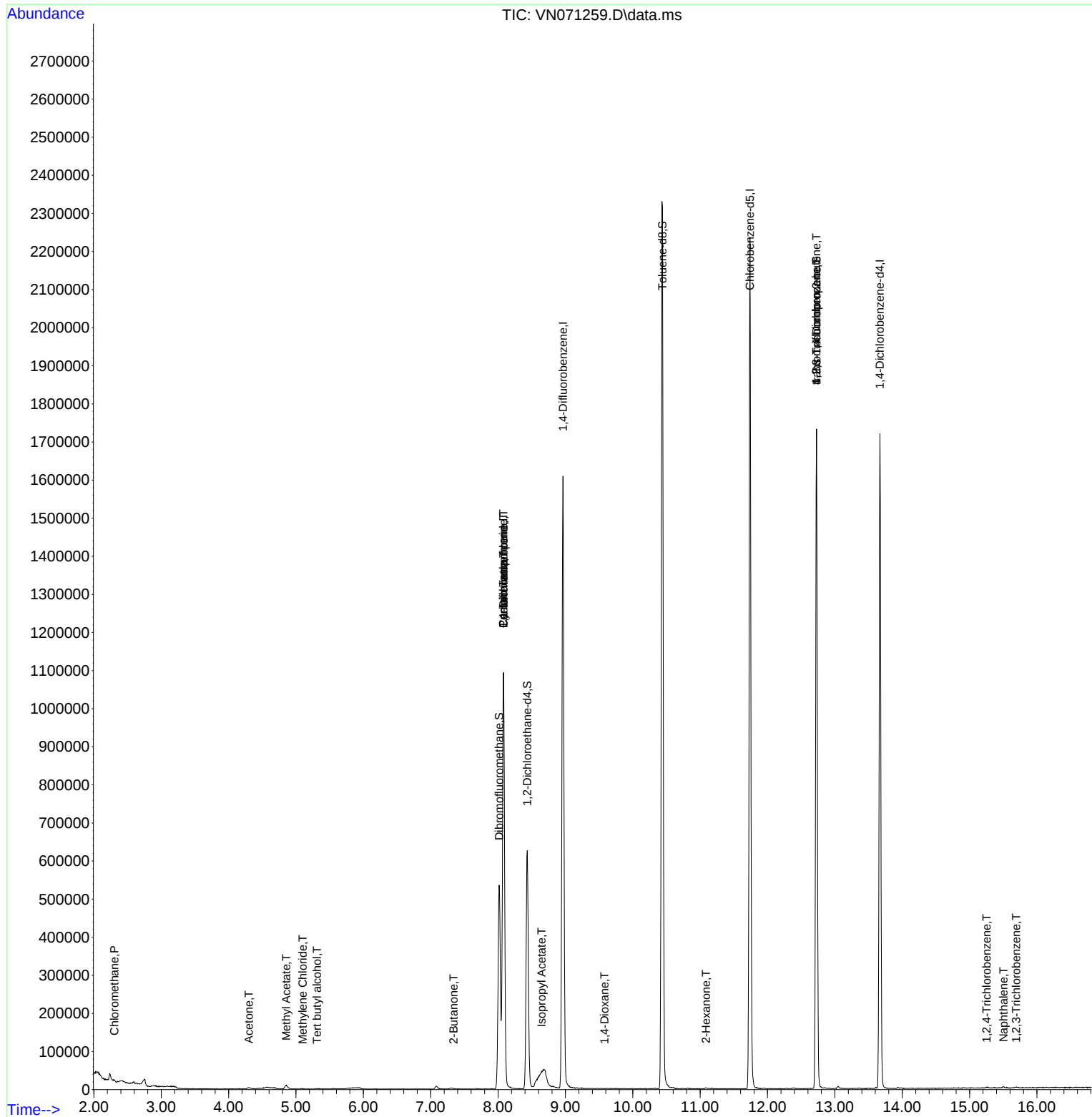
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.081          | 168  | 838066     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963          | 114  | 1376305    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739         | 117  | 1270923    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.668         | 152  | 469358     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.433          | 65   | 528550     | 46.017    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 92.040%   |        |          |
| 35) Dibromofluoromethane      | 8.016          | 113  | 398751     | 45.913    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 91.820%   |        |          |
| 50) Toluene-d8                | 10.439         | 98   | 1667616    | 47.689    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 95.380%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.727         | 95   | 613886     | 51.844    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 103.680%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           | Qvalue |          |
| 3) Chloromethane              | 2.304          | 50   | 3065       | 0.214     | ug/l   | 95       |
| 5) Bromomethane               | 2.822          | 94   | 55         | Below Cal | #      | 3        |
| 11) Tert butyl alcohol        | 5.310          | 59   | 1382       | 0.612     | ug/l # | 71       |
| 16) Acetone                   | 4.298          | 43   | 3327       | 0.595     | ug/l # | 46       |
| 18) Methyl Acetate            | 4.857          | 43   | 20606      | 1.830     | ug/l   | 95       |
| 20) Methylene Chloride        | 5.098          | 84   | 562        | 0.436     | ug/l # | 62       |
| 25) 2-Butanone                | 7.339          | 43   | 2168       | 0.241     | ug/l   | 91       |
| 31) Cyclohexane               | 8.081          | 56   | 16727      | 0.912     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.081          | 75   | 66372      | 4.770     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.081          | 117  | 82650      | 6.141     | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.645          | 43   | 69971      | 2.443     | ug/l # | 57       |
| 49) 1,4-Dioxane               | 9.580          | 88   | 62         | 0.269     | ug/l # | 1        |
| 59) 2-Hexanone                | 11.086         | 43   | 3082       | 0.254     | ug/l   | 80       |
| 75) 1,1,2,2-Tetrachloroethane | 12.821         | 83   | 281        | Below Cal | #      | 50       |
| 76) 1,2,3-Trichloropropane    | 12.727         | 75   | 319201     | 26.747    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727         | 75   | 319201     | 73.516    | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 15.251         | 180  | 1258       | 3.143     | ug/l   | 83       |
| 95) Naphthalene               | 15.504         | 128  | 3520       | 5.215     | ug/l # | 85       |
| 96) 1,2,3-Trichlorobenzene    | 15.692         | 180  | 1205       | 2.886     | ug/l   | 84       |
| -----                         |                |      |            |           |        |          |

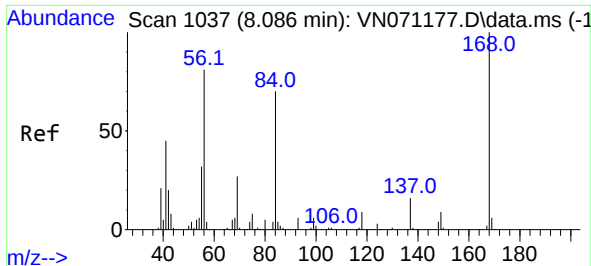
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031422\  
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ALS Vial : 4 Sample Multiplier: 1

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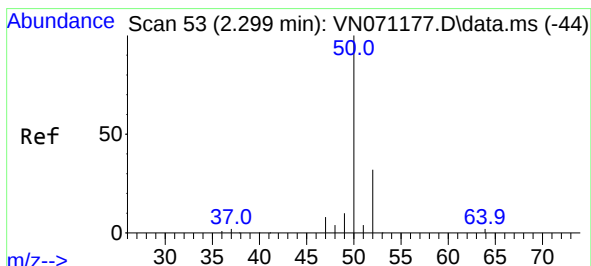
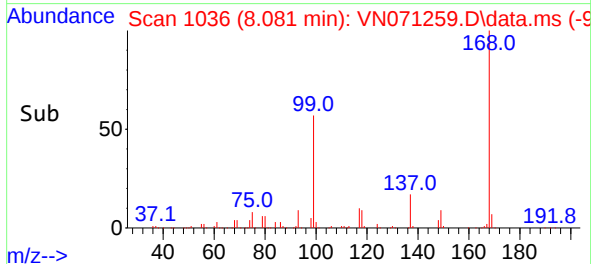
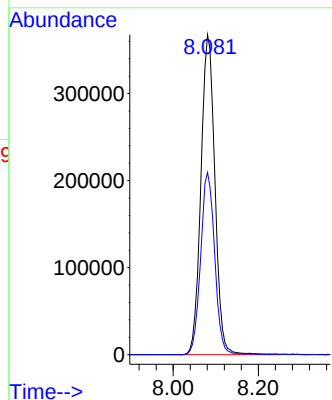
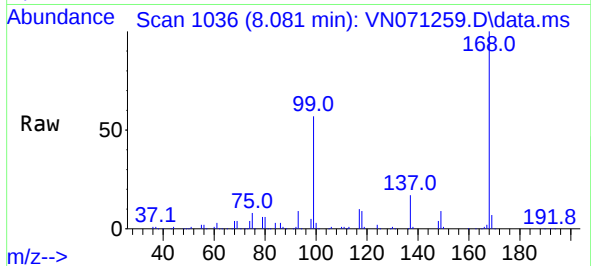




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 10  
Delta R.T. -0.005 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

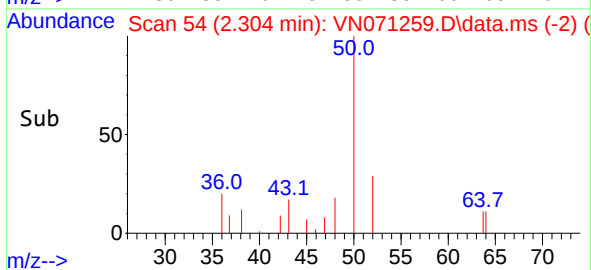
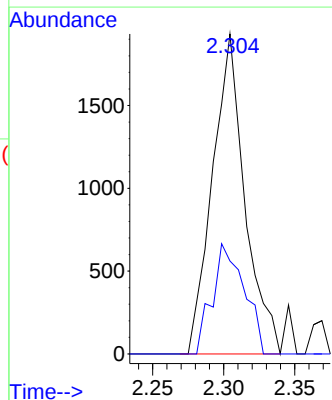
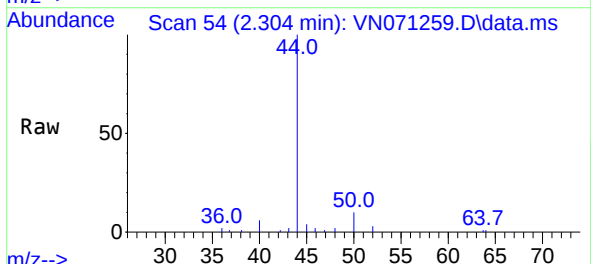
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBL01

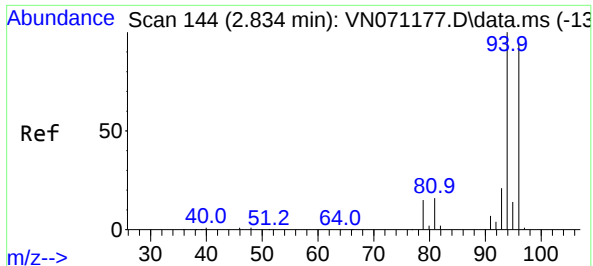
Tgt Ion:168 Resp: 838066  
Ion Ratio Lower Upper  
168 100  
99 56.9 41.3 61.9



#3  
Chloromethane  
Concen: 0.214 ug/l  
RT: 2.304 min Scan# 54  
Delta R.T. 0.005 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

Tgt Ion: 50 Resp: 3065  
Ion Ratio Lower Upper  
50 100  
52 29.0 25.4 38.0

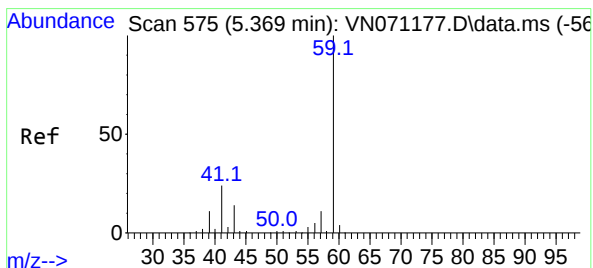
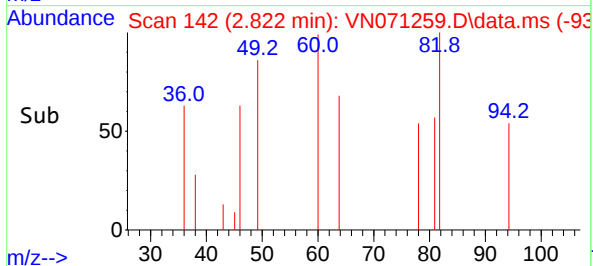
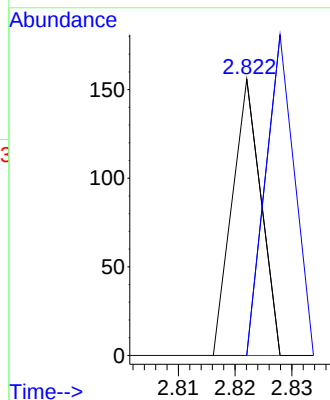
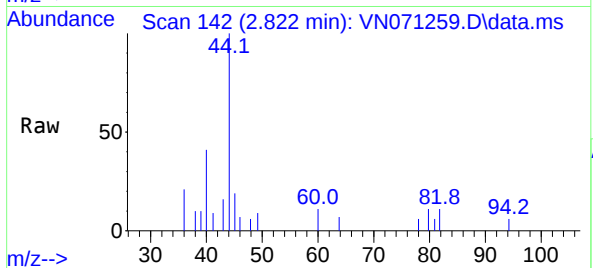




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.822 min Scan# 14  
Delta R.T. -0.012 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

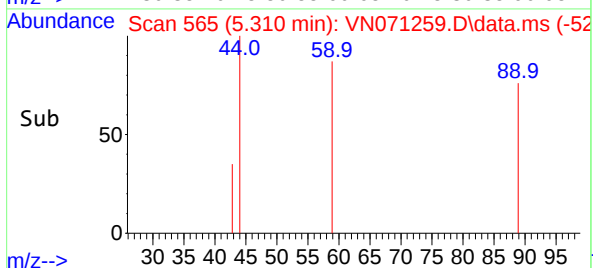
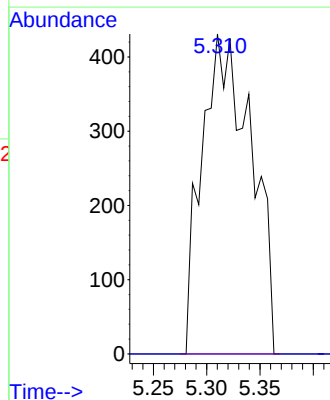
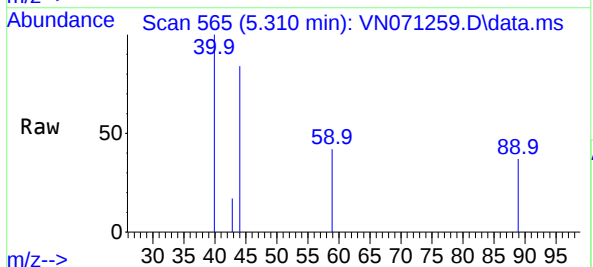
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBL01

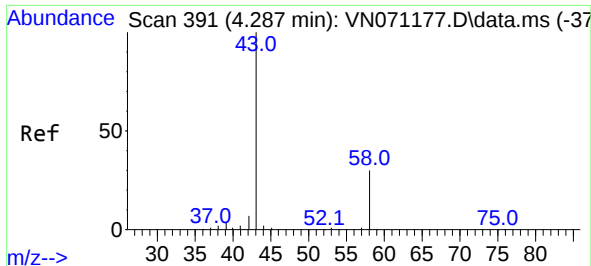
Tgt Ion: 94 Resp: 55  
Ion Ratio Lower Upper  
94 100  
96 0.0 73.8 110.8#



#11  
Tert butyl alcohol  
Concen: 0.612 ug/l  
RT: 5.310 min Scan# 565  
Delta R.T. -0.059 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

Tgt Ion: 59 Resp: 1382  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#

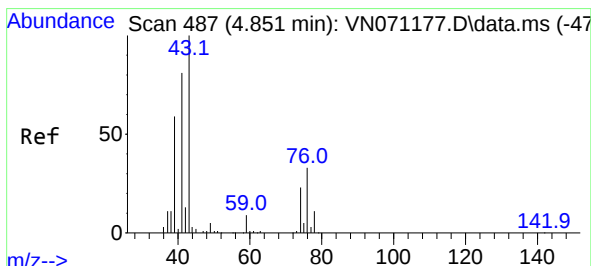
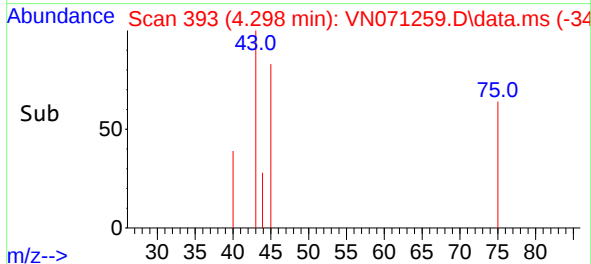
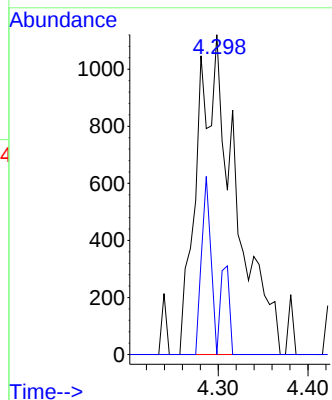
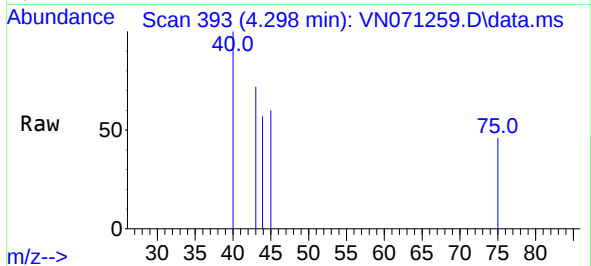




#16  
Acetone  
Concen: 0.595 ug/l  
RT: 4.298 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

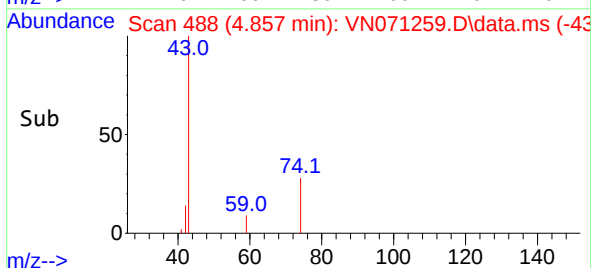
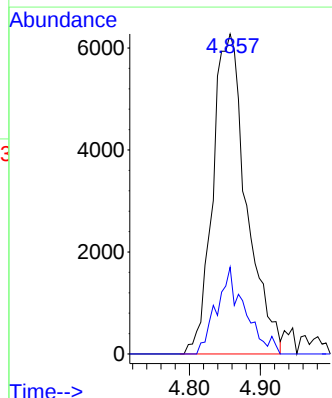
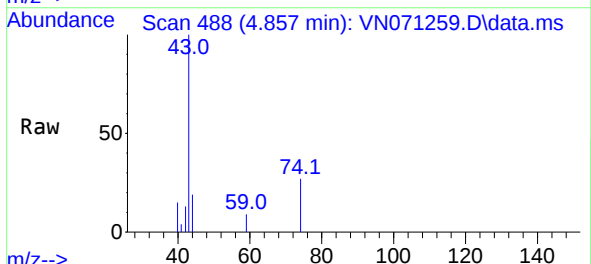
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBL01

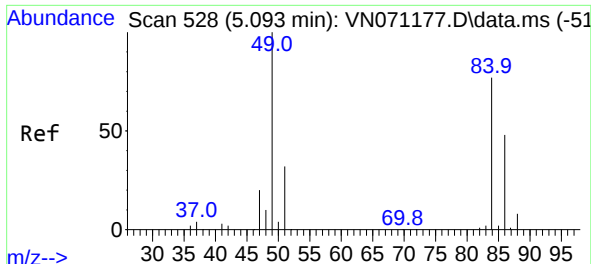
Tgt Ion: 43 Resp: 3327  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.1 34.7#



#18  
Methyl Acetate  
Concen: 1.830 ug/l  
RT: 4.857 min Scan# 488  
Delta R.T. 0.006 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

Tgt Ion: 43 Resp: 20606  
Ion Ratio Lower Upper  
43 100  
74 22.1 19.4 29.2





#20

Methylene Chloride

Concen: 0.436 ug/l

RT: 5.098 min Scan# 51

Delta R.T. 0.005 min

Lab File: VN071259.D

Acq: 14 Mar 2022 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBL01

Tgt Ion: 84 Resp: 562

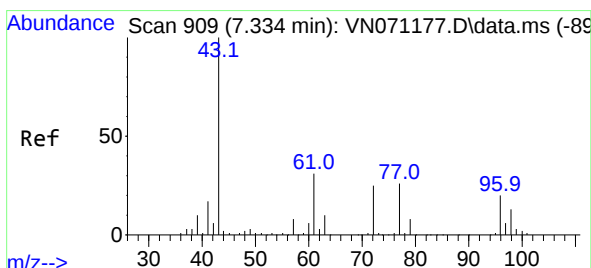
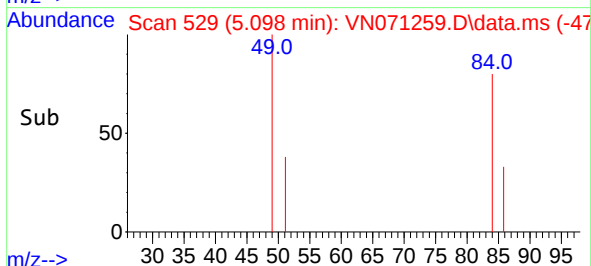
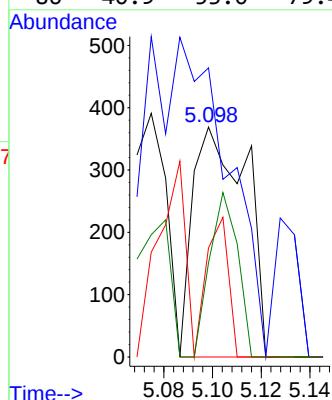
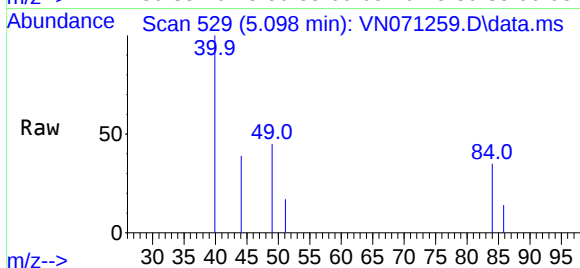
Ion Ratio Lower Upper

84 100

49 65.3 93.5 140.3#

51 47.4 29.4 44.2#

86 40.9 53.0 79.4#



#25

2-Butanone

Concen: 0.241 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.006 min

Lab File: VN071259.D

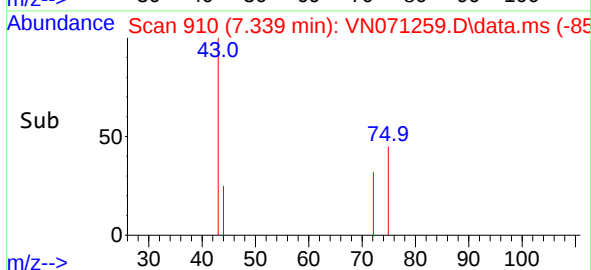
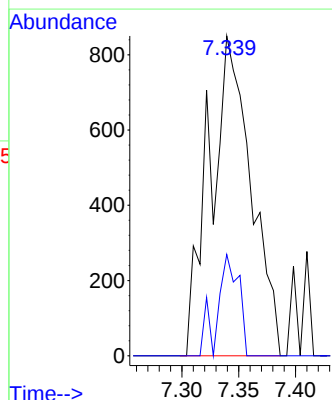
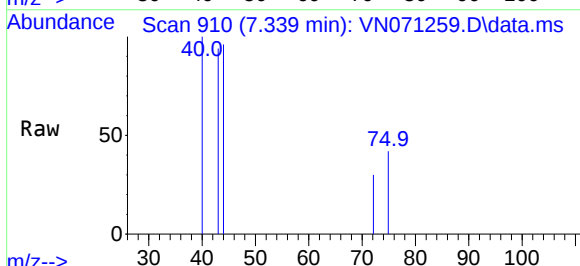
Acq: 14 Mar 2022 11:28

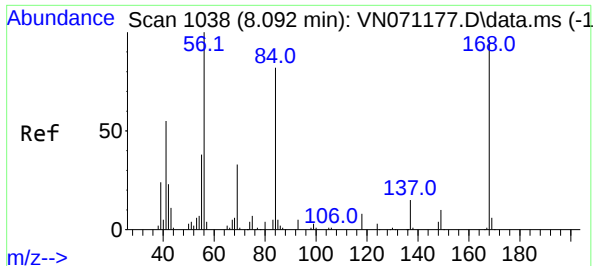
Tgt Ion: 43 Resp: 2168

Ion Ratio Lower Upper

43 100

72 31.6 21.7 32.5





#31

Cyclohexane

Concen: 0.912 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071259.D

Acq: 14 Mar 2022 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBL01

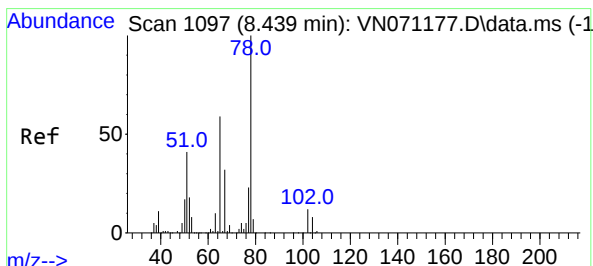
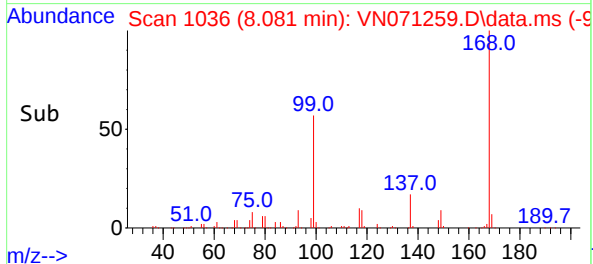
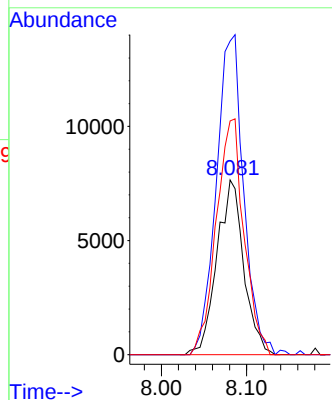
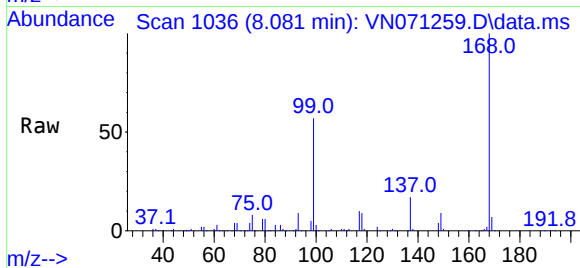
Tgt Ion: 56 Resp: 16727

Ion Ratio Lower Upper

56 100

69 179.6 27.1 40.7#

84 133.8 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 46.017 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071259.D

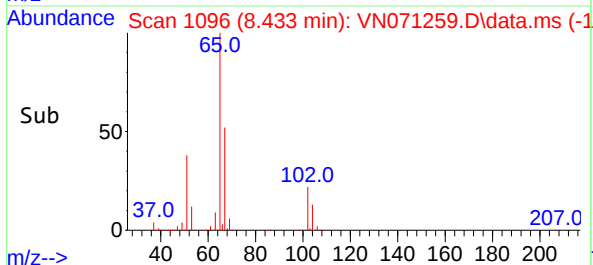
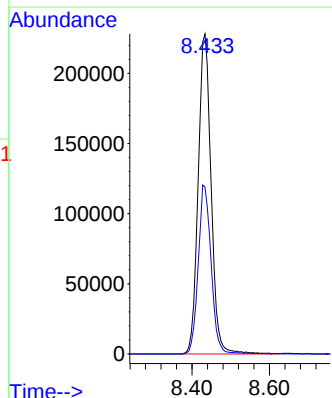
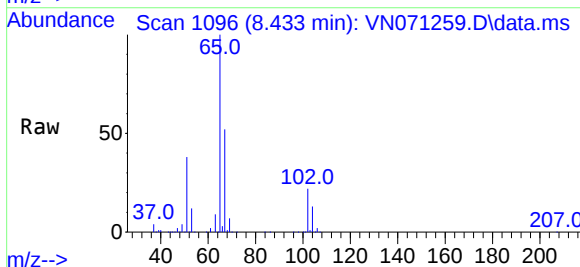
Acq: 14 Mar 2022 11:28

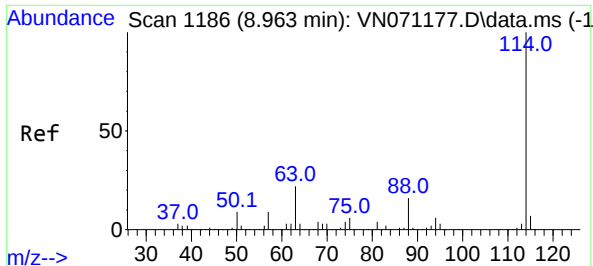
Tgt Ion: 65 Resp: 528550

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.0

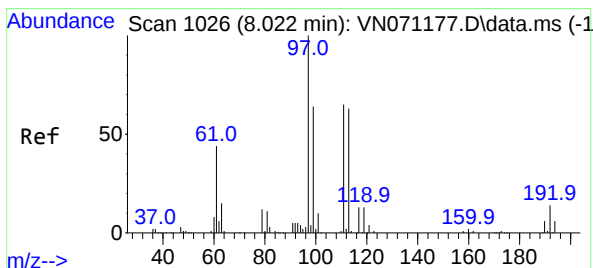
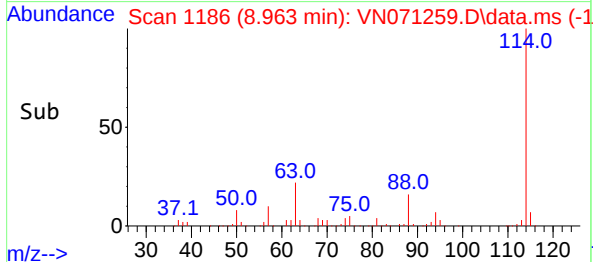
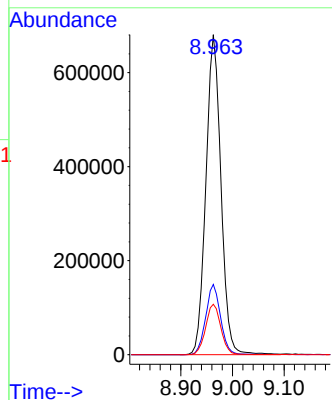
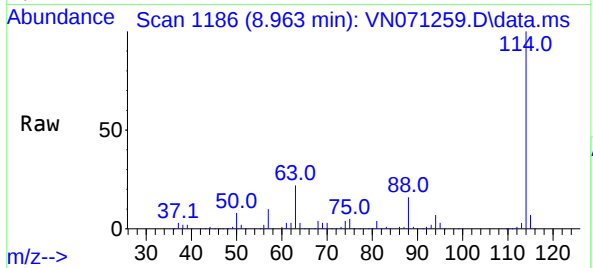




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

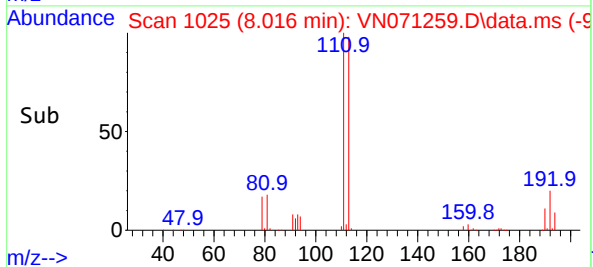
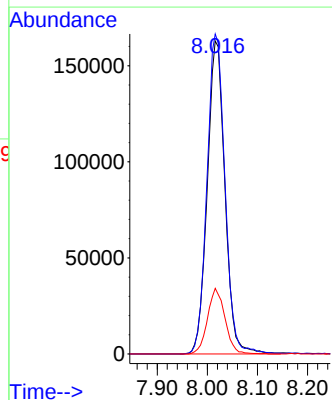
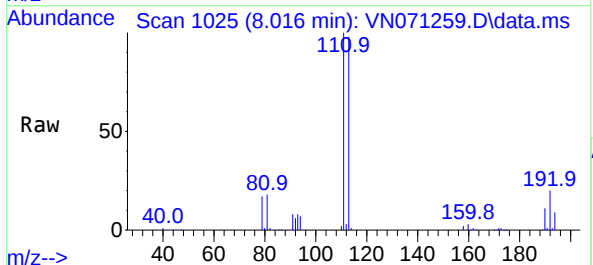
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBL01

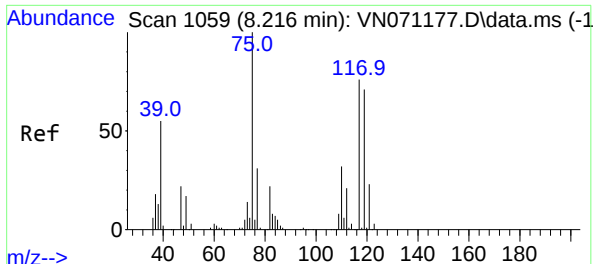
Tgt Ion:114 Resp: 1376305  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 37.8  
88 15.7 0.0 27.4



#35  
Dibromofluoromethane  
Concen: 45.913 ug/l  
RT: 8.016 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

Tgt Ion:113 Resp: 398751  
Ion Ratio Lower Upper  
113 100  
111 104.1 82.2 123.2  
192 20.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.770 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071259.D

Acq: 14 Mar 2022 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0314WBL01

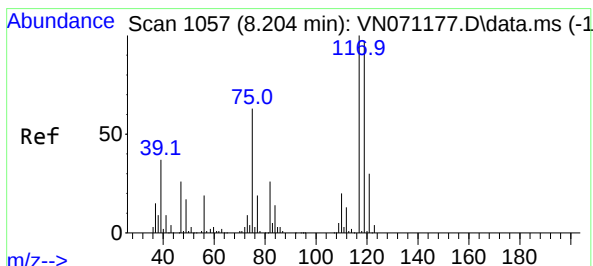
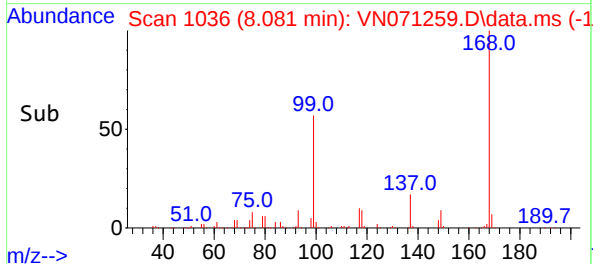
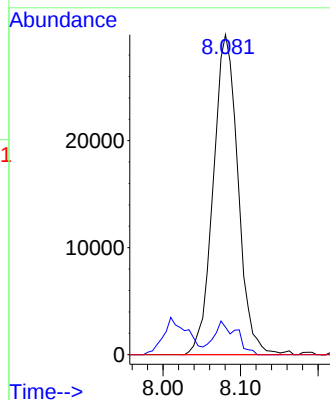
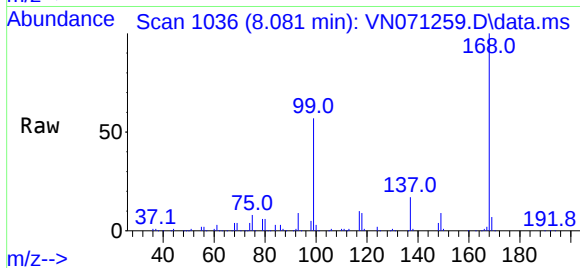
Tgt Ion: 75 Resp: 66372

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.141 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN071259.D

Acq: 14 Mar 2022 11:28

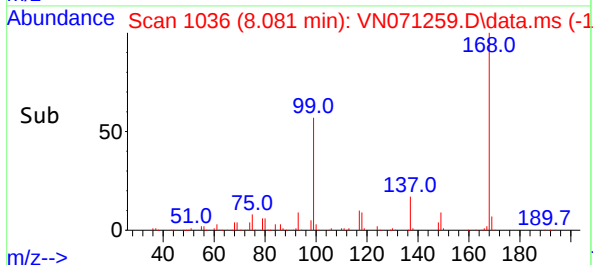
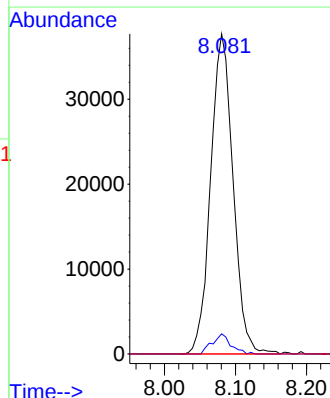
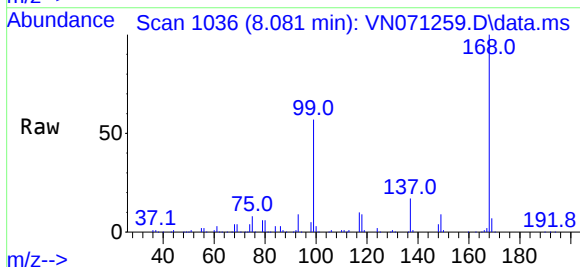
Tgt Ion: 117 Resp: 82650

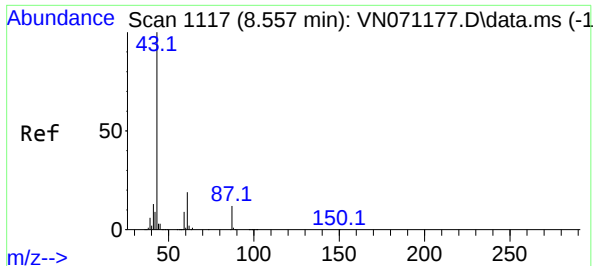
Ion Ratio Lower Upper

117 100

119 6.3 76.1 114.1#

121 0.0 24.2 36.2#

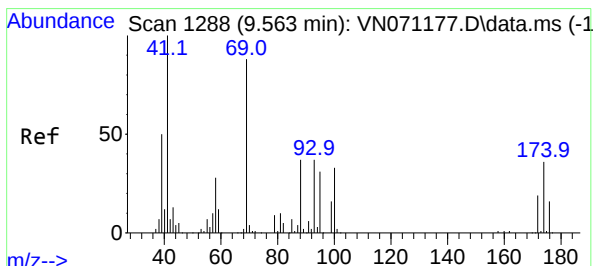
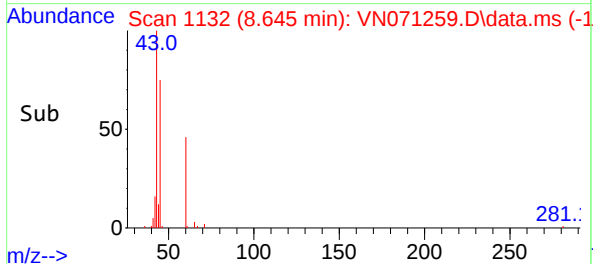
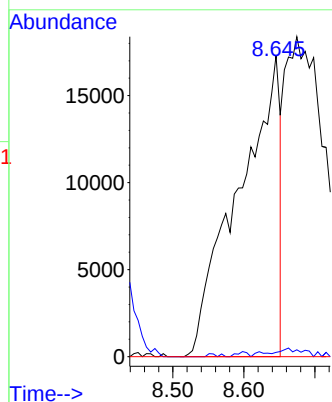
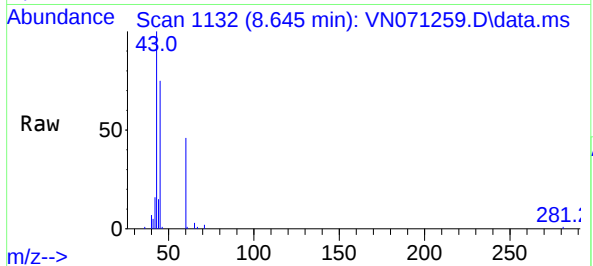




#43  
Isopropyl Acetate  
Concen: 2.443 ug/l  
RT: 8.645 min Scan# 1117  
Delta R.T. 0.088 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

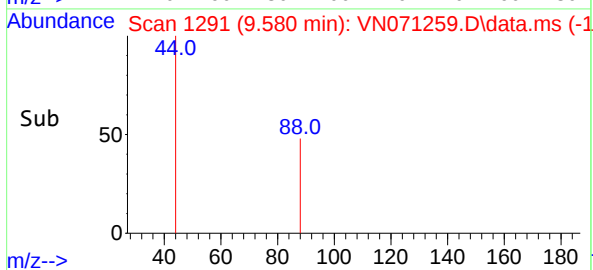
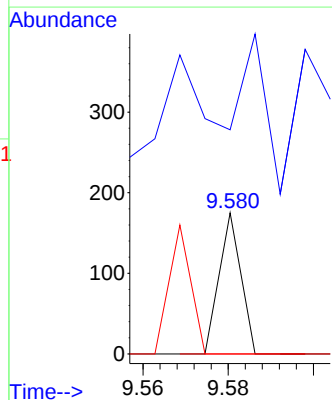
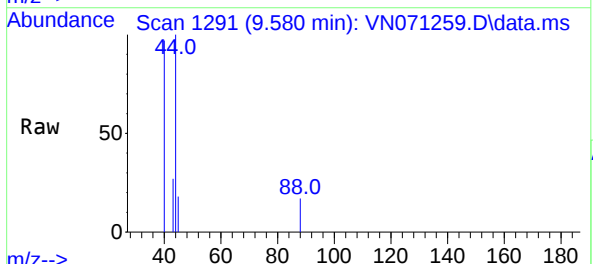
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBL01

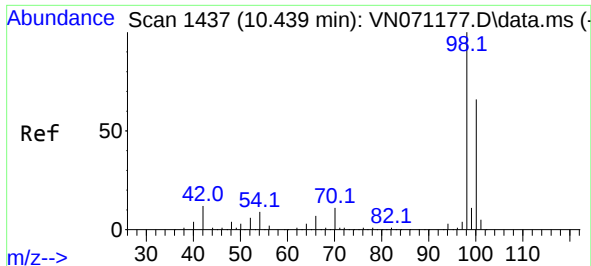
Tgt Ion: 43 Resp: 69971  
Ion Ratio Lower Upper  
43 100  
61 1.5 20.4 30.6#  
87 0.0 11.2 16.8#



#49  
1,4-Dioxane  
Concen: 0.269 ug/l  
RT: 9.580 min Scan# 1291  
Delta R.T. 0.017 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

Tgt Ion: 88 Resp: 62  
Ion Ratio Lower Upper  
88 100  
43 827.4 23.4 35.2#  
58 90.3 50.6 75.8#

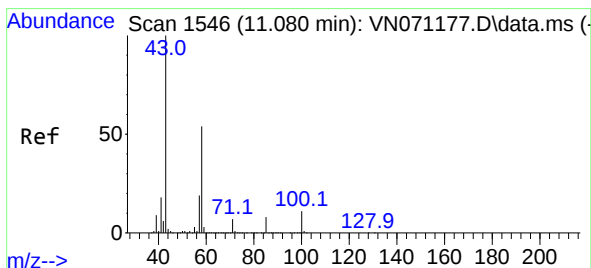
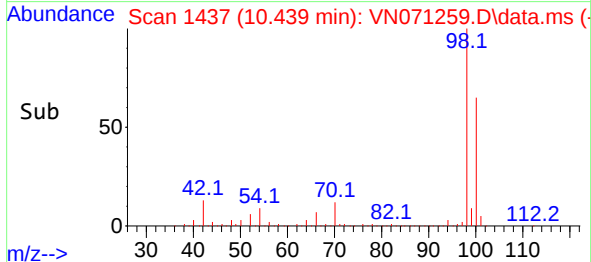
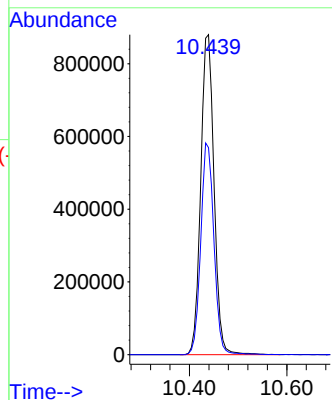
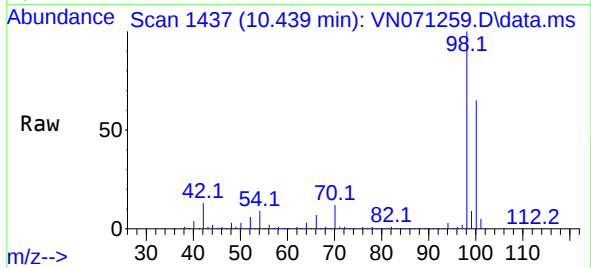




#50  
Toluene-d8  
Concen: 47.689 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

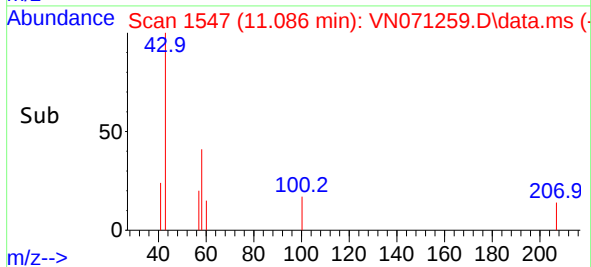
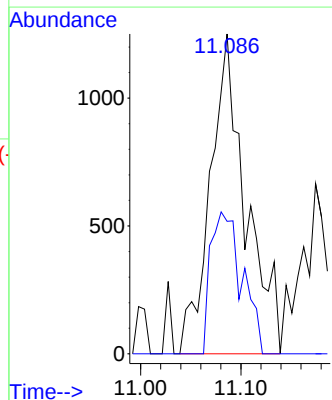
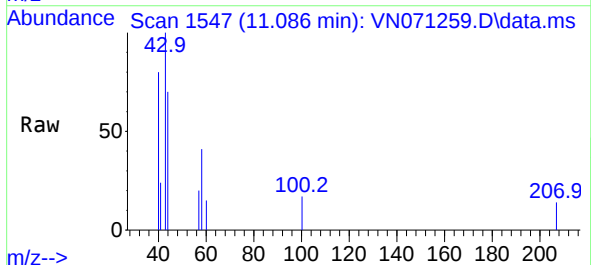
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MSVOA\_N  
ClientSampleId :  
VN0314WBL01

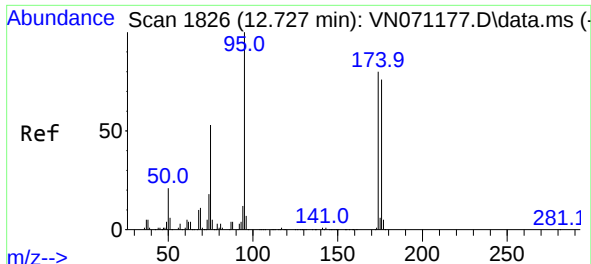
Tgt Ion: 98 Resp: 1667616  
Ion Ratio Lower Upper  
98 100  
100 65.6 50.4 75.6



#59  
2-Hexanone  
Concen: 0.254 ug/l  
RT: 11.086 min Scan# 1547  
Delta R.T. 0.006 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

Tgt Ion: 43 Resp: 3082  
Ion Ratio Lower Upper  
43 100  
58 39.2 26.9 80.7

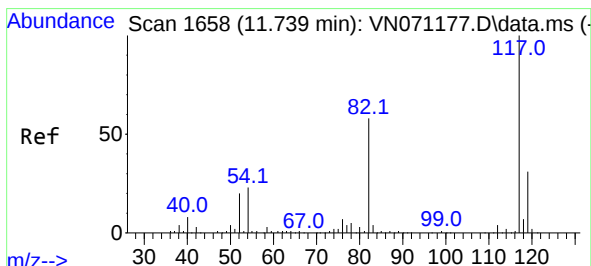
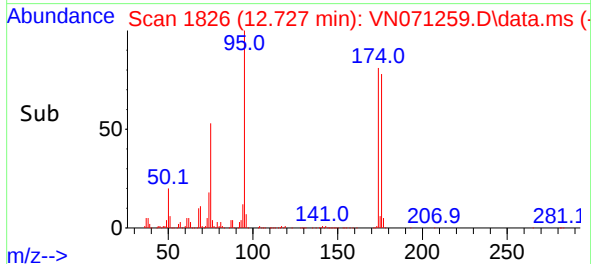
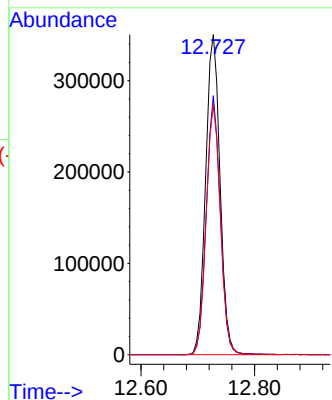
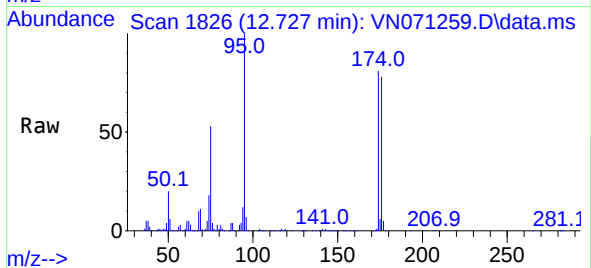




#62  
4-Bromofluorobenzene  
Concen: 51.844 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

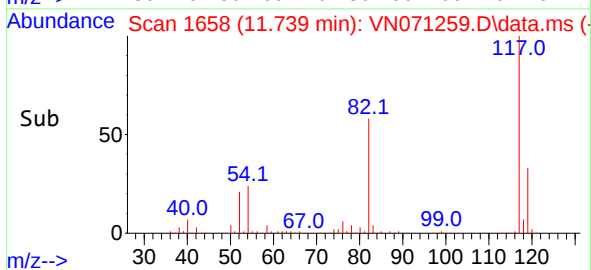
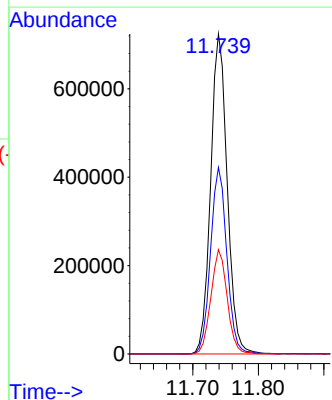
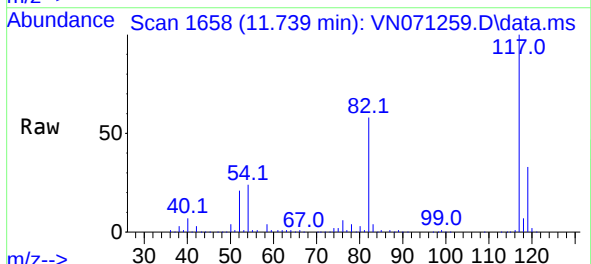
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MSVOA\_N  
ClientSampleId :  
VN0314WBL01

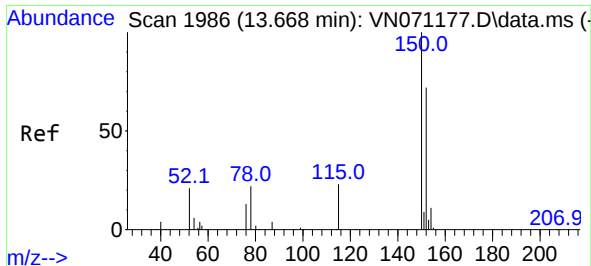
Tgt Ion: 95 Resp: 613886  
Ion Ratio Lower Upper  
95 100  
174 78.8 0.0 187.2  
176 76.9 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. -0.000 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

Tgt Ion: 117 Resp: 1270923  
Ion Ratio Lower Upper  
117 100  
82 58.3 42.4 63.6  
119 32.6 25.4 38.2

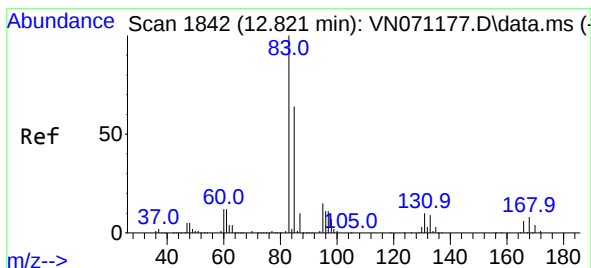
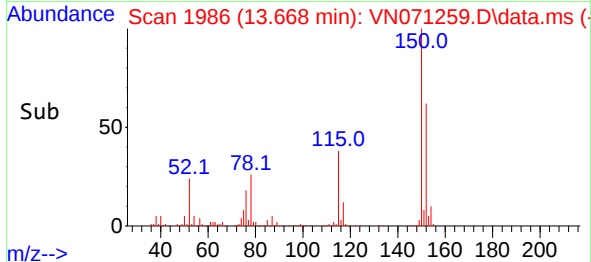
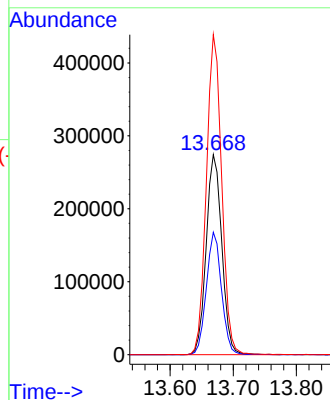
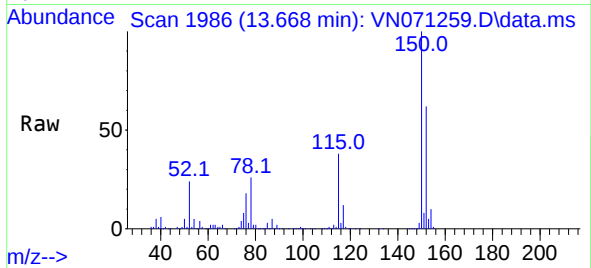




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. 0.000 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

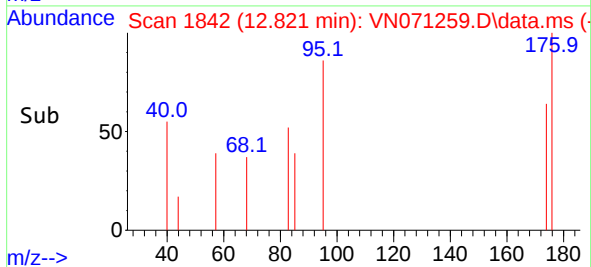
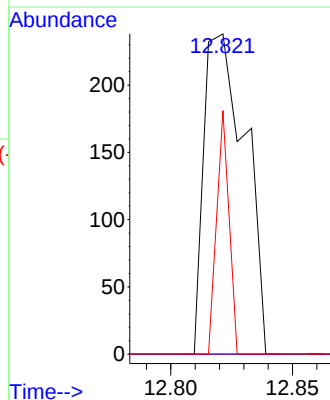
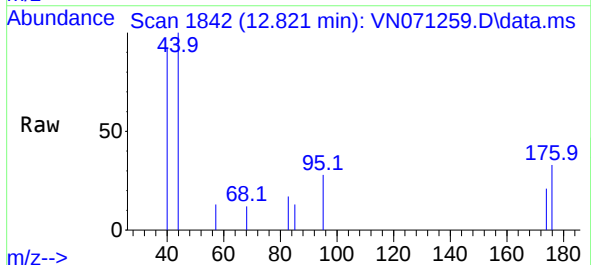
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBL01

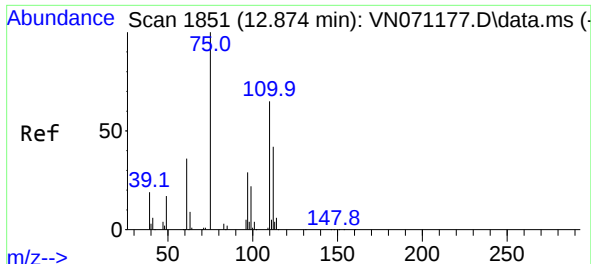
Tgt Ion:152 Resp: 469358  
Ion Ratio Lower Upper  
152 100  
115 59.5 27.5 82.5  
150 156.9 0.0 344.4



#75  
1,1,2,2-Tetrachloroethane  
Concen: Below Cal  
RT: 12.821 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

Tgt Ion: 83 Resp: 281  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.5 16.5#  
85 22.8 32.4 97.2#

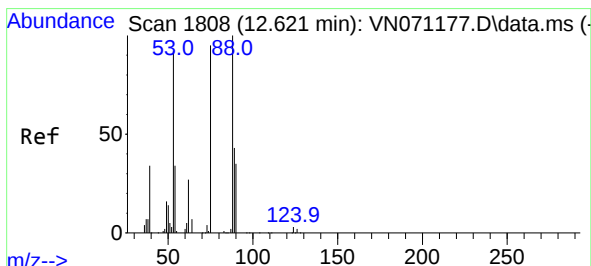
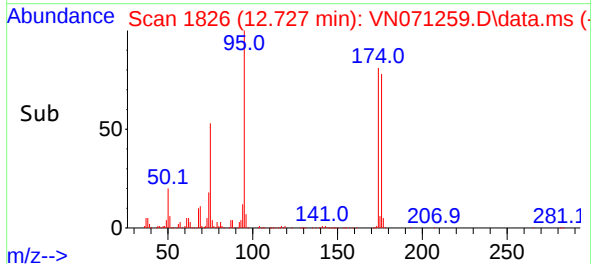
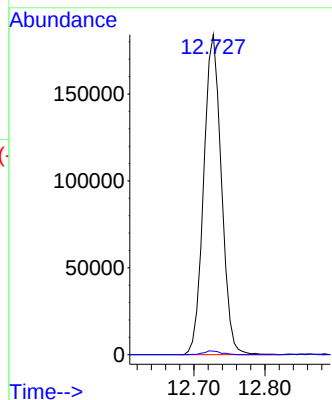
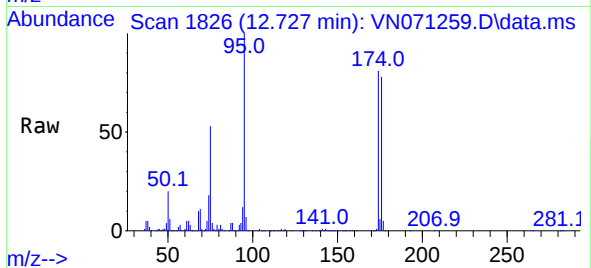




#76  
1,2,3-Trichloropropane  
Concen: 26.747 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.147 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

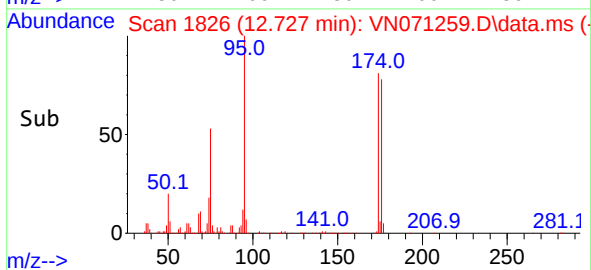
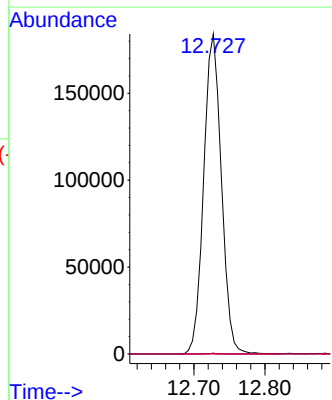
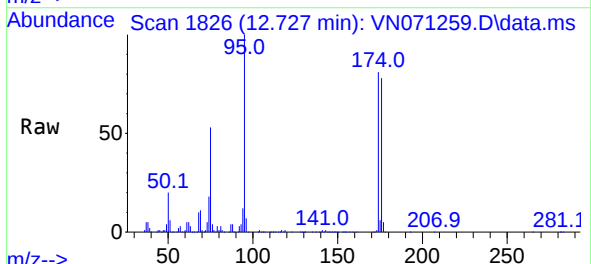
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0314WBL01

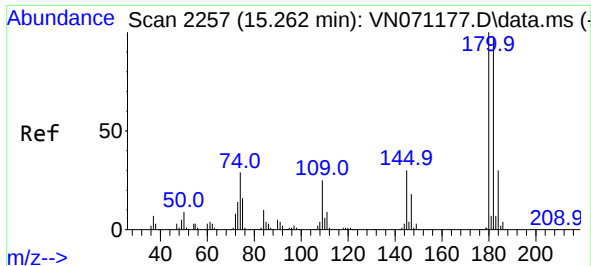
Tgt Ion: 75 Resp: 319201  
Ion Ratio Lower Upper  
75 100  
77 1.2 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.516 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.106 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

Tgt Ion: 75 Resp: 319201  
Ion Ratio Lower Upper  
75 100  
53 0.1 90.5 135.7#  
89 0.1 38.2 57.4#

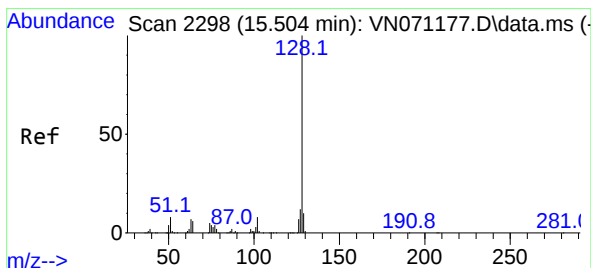
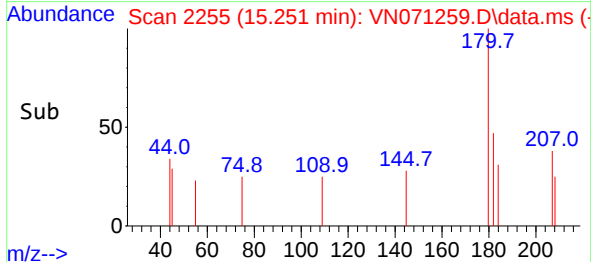
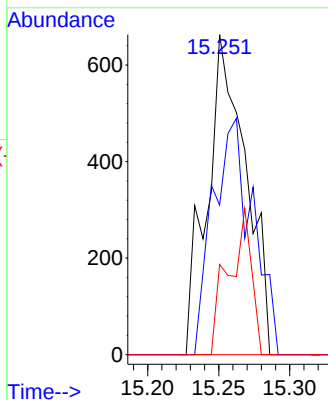
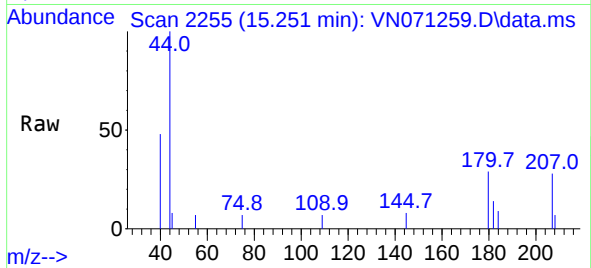




#93  
1,2,4-Trichlorobenzene  
Concen: 3.143 ug/l  
RT: 15.251 min Scan# 21  
Delta R.T. -0.011 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

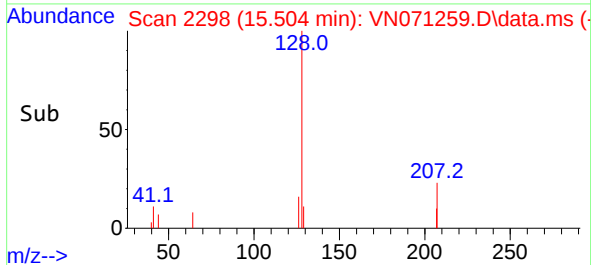
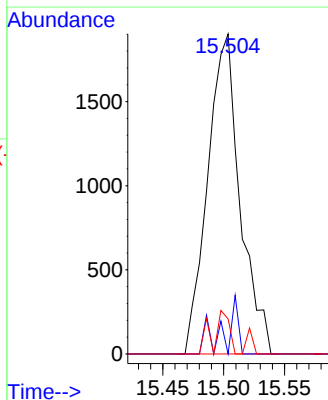
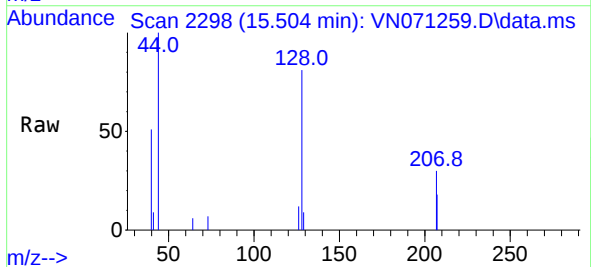
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ClientSampleId :  
VN0314WBL01

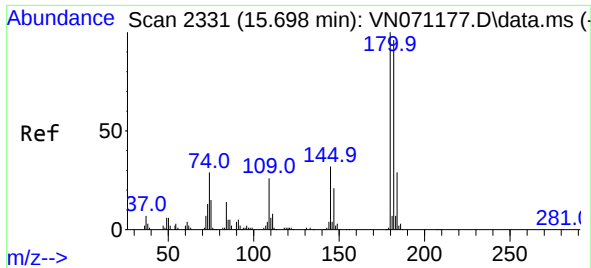
Tgt Ion:180 Resp: 1258  
Ion Ratio Lower Upper  
180 100  
182 75.8 48.3 144.9  
145 27.2 14.5 43.5



#95  
Naphthalene  
Concen: 5.215 ug/l  
RT: 15.504 min Scan# 2298  
Delta R.T. -0.000 min  
Lab File: VN071259.D  
Acq: 14 Mar 2022 11:28

Tgt Ion:128 Resp: 3520  
Ion Ratio Lower Upper  
128 100  
127 5.5 10.5 15.7#  
129 6.8 8.7 13.1#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.886 ug/l  
 RT: 15.692 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VN071259.D  
 Acq: 14 Mar 2022 11:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0314WBL01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1205  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 81.7  | 47.4  | 142.2 |
| 145      | 16.8  | 15.0  | 45.1  |

