

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022422\  
 Data File : VN071050.D  
 Acq On : 24 Feb 2022 12:44  
 Operator : JC\MD  
 Sample : VN0224WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0224WBL01

Quant Time: Feb 25 02:42:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 21 07:57:15 2022  
 Response via : Initial Calibration

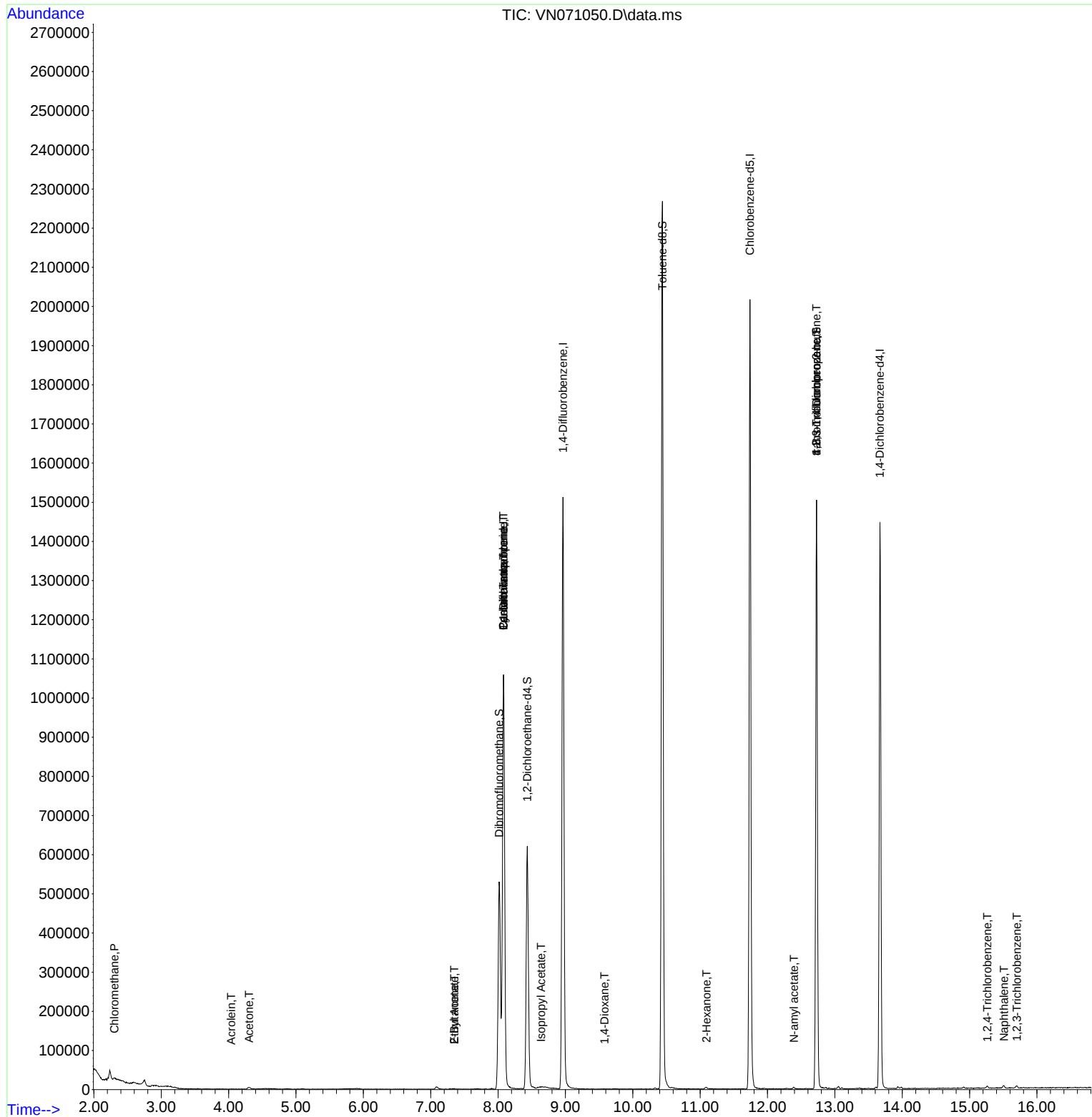
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.081     | 168   | 835732   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963     | 114   | 1326097  | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.739    | 117   | 1177037  | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.669    | 152   | 404538   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.434     | 65    | 508607   | 53.276    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 61 - 141 | Recovery  | = 106.560% |          |
| 35) Dibromofluoromethane      | 8.016     | 113   | 395146   | 50.097    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 69 - 133 | Recovery  | = 100.200% |          |
| 50) Toluene-d8                | 10.439    | 98    | 1614426  | 50.967    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 126 | Recovery  | = 101.940% |          |
| 62) 4-Bromofluorobenzene      | 12.727    | 95    | 531617   | 46.953    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 135 | Recovery  | = 93.900%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 2.305     | 50    | 2251     | 0.206     | ug/l       | 92       |
| 13) Acrolein                  | 4.040     | 56    | 636      | 0.409     | ug/l #     | 25       |
| 16) Acetone                   | 4.304     | 43    | 4652     | 0.885     | ug/l       | 90       |
| 18) Methyl Acetate            | 4.834     | 43    | 441      | Below Cal | #          | 78       |
| 25) 2-Butanone                | 7.351     | 43    | 2987     | 0.427     | ug/l       | 94       |
| 31) Cyclohexane               | 8.081     | 56    | 17231    | 1.044     | ug/l #     | 20       |
| 36) 1,1-Dichloropropene       | 8.081     | 75    | 63800    | 4.937     | ug/l #     | 49       |
| 37) Ethyl Acetate             | 7.351     | 43    | 2987     | 0.216     | ug/l #     | 77       |
| 38) Carbon Tetrachloride      | 8.081     | 117   | 80959    | 6.358     | ug/l #     | 16       |
| 43) Isopropyl Acetate         | 8.639     | 43    | 6515     | 0.298     | ug/l #     | 55       |
| 49) 1,4-Dioxane               | 9.581     | 88    | 83       | 0.452     | ug/l #     | 18       |
| 59) 2-Hexanone                | 11.092    | 43    | 4956     | 0.542     | ug/l       | 91       |
| 74) N-amyl acetate            | 12.392    | 43    | 2491     | 0.239     | ug/l #     | 92       |
| 76) 1,2,3-Trichloropropane    | 12.727    | 75    | 265866   | 27.913    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727    | 75    | 265866   | 90.450    | ug/l #     | 5        |
| 93) 1,2,4-Trichlorobenzene    | 15.263    | 180   | 2195     | 2.282     | ug/l       | 92       |
| 95) Naphthalene               | 15.510    | 128   | 6592     | 5.318     | ug/l       | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.704    | 180   | 2573     | 2.872     | ug/l       | 90       |
| -----                         |           |       |          |           |            |          |

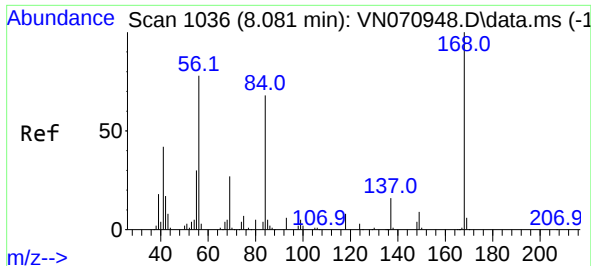
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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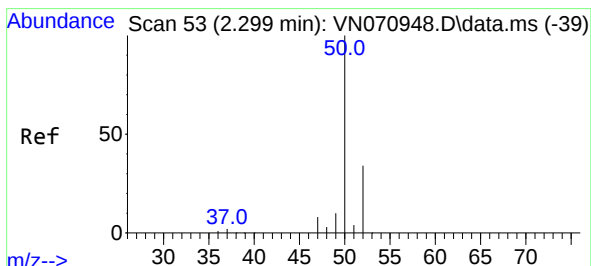
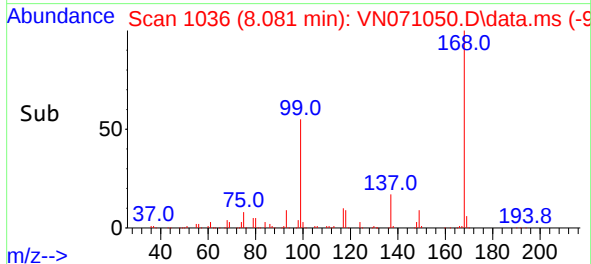
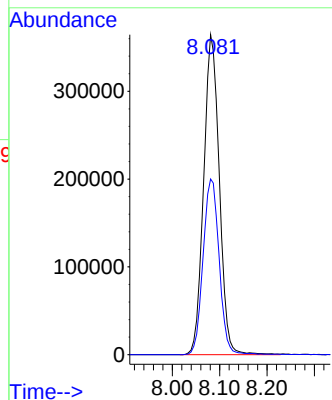
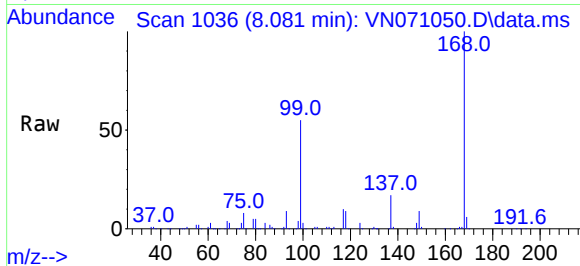




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

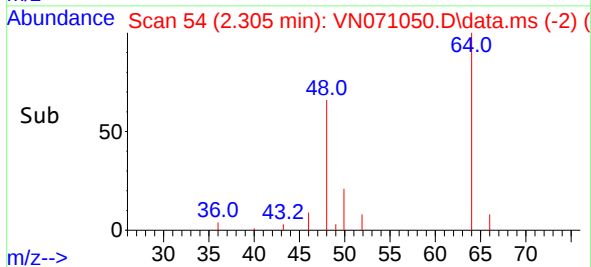
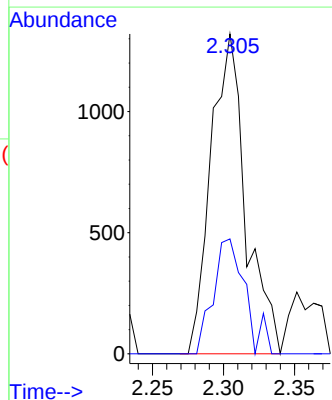
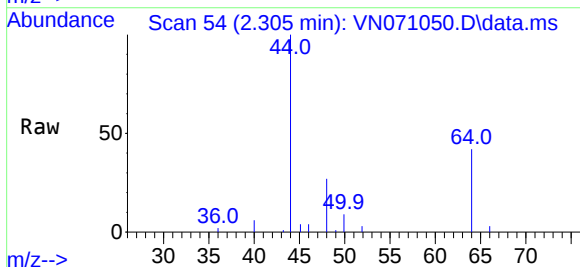
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0224WBL01

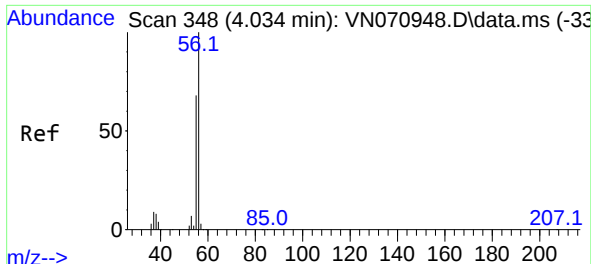
Tgt Ion:168 Resp: 835732  
Ion Ratio Lower Upper  
168 100  
99 54.9 41.3 61.9



#3  
Chloromethane  
Concen: 0.206 ug/l  
RT: 2.305 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Tgt Ion: 50 Resp: 2251  
Ion Ratio Lower Upper  
50 100  
52 35.9 25.4 38.0

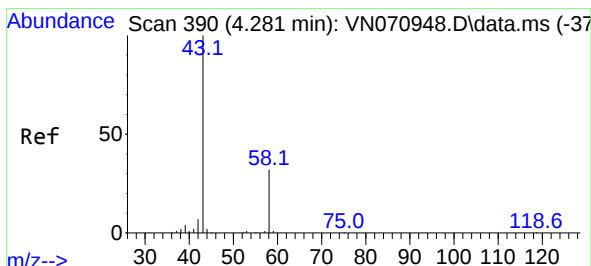
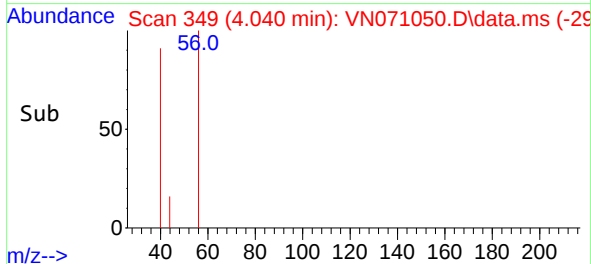
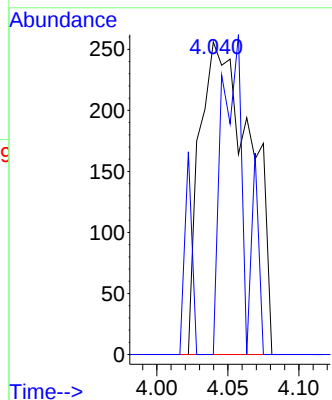
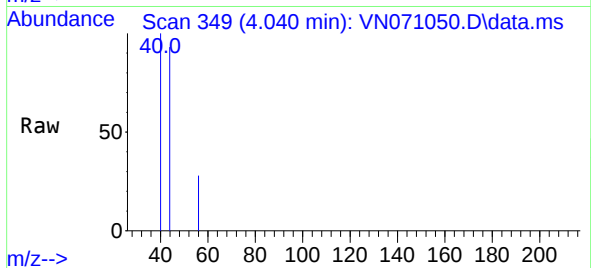




#13  
Acrolein  
Concen: 0.409 ug/l  
RT: 4.040 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

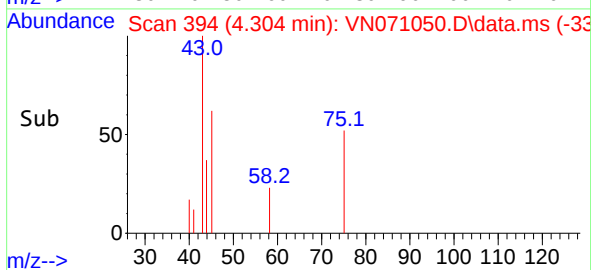
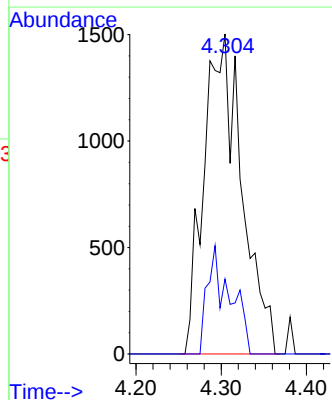
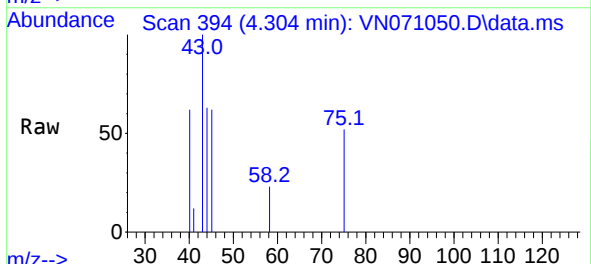
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0224WBL01

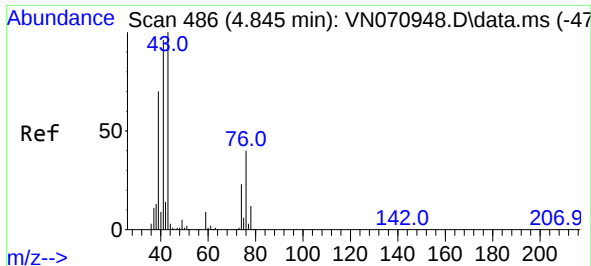
Tgt Ion: 56 Resp: 636  
Ion Ratio Lower Upper  
56 100  
55 9.3 56.6 85.0#



#16  
Acetone  
Concen: 0.885 ug/l  
RT: 4.304 min Scan# 394  
Delta R.T. 0.024 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Tgt Ion: 43 Resp: 4652  
Ion Ratio Lower Upper  
43 100  
58 23.4 23.1 34.7

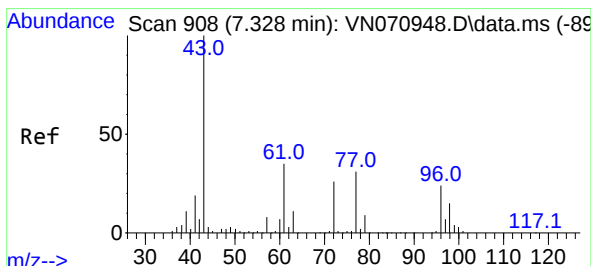
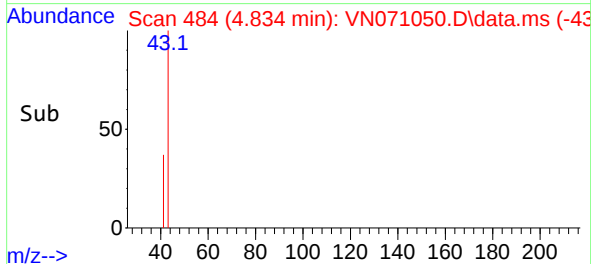
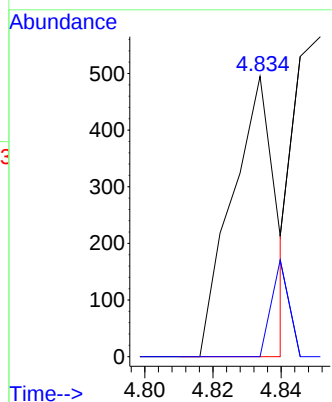
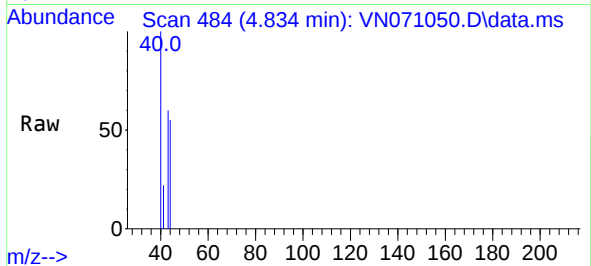




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.834 min Scan# 441  
Delta R.T. -0.011 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

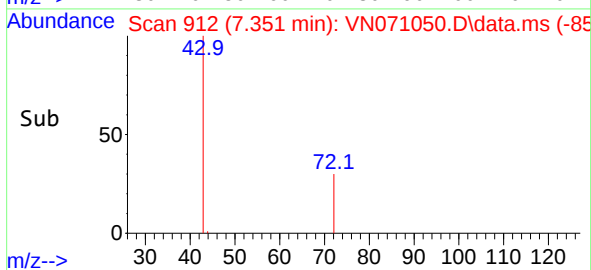
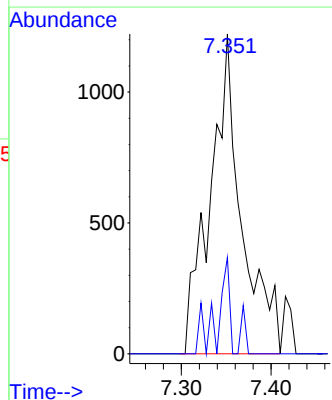
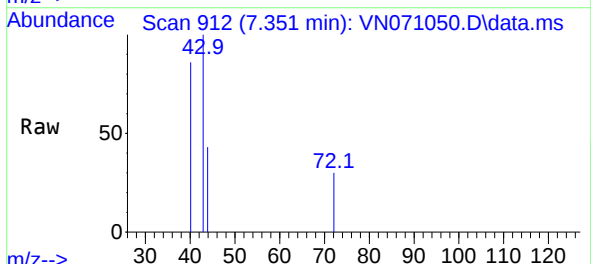
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0224WBL01

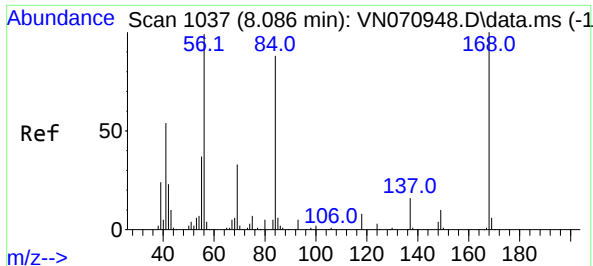
Tgt Ion: 43 Resp: 441  
Ion Ratio Lower Upper  
43 100  
74 13.6 19.4 29.2#



#25  
2-Butanone  
Concen: 0.427 ug/l  
RT: 7.351 min Scan# 912  
Delta R.T. 0.024 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Tgt Ion: 43 Resp: 2987  
Ion Ratio Lower Upper  
43 100  
72 30.1 21.7 32.5

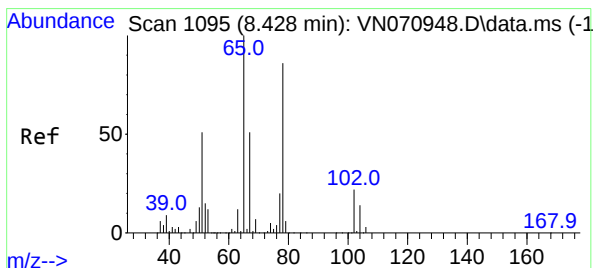
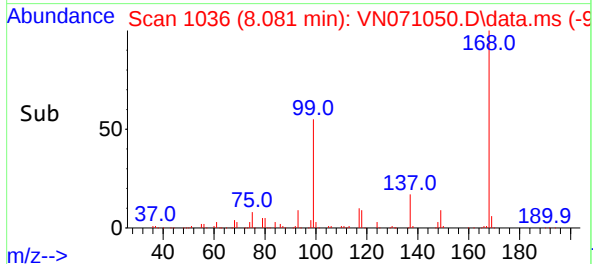
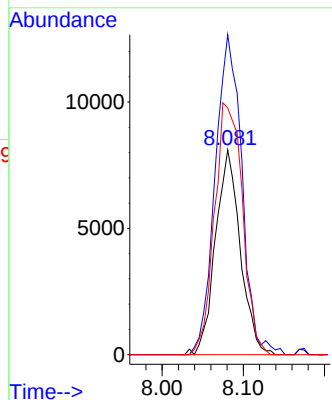
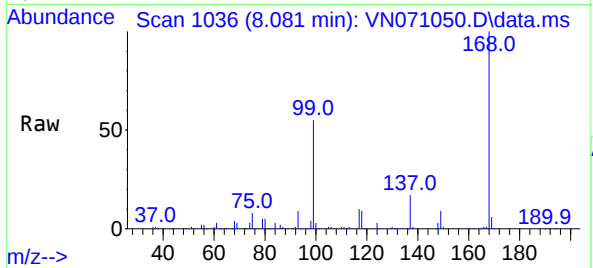




#31  
Cyclohexane  
Concen: 1.044 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

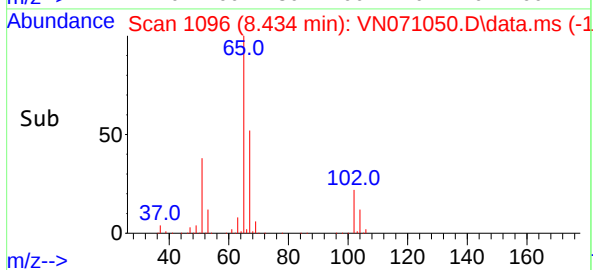
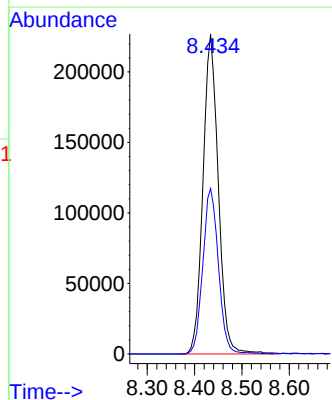
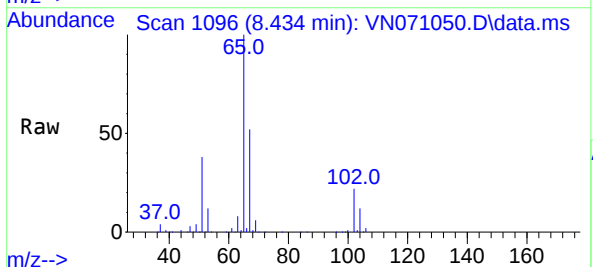
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VN0224WBL01

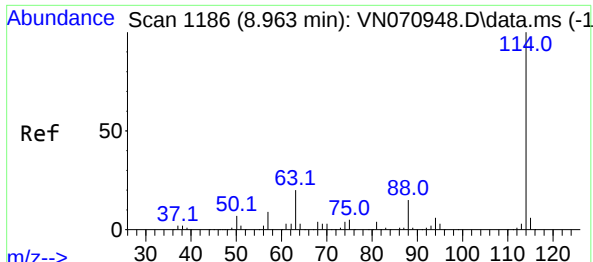
Tgt Ion: 56 Resp: 17231  
Ion Ratio Lower Upper  
56 100  
69 156.2 27.1 40.7#  
84 120.5 73.4 110.0#



#33  
1,2-Dichloroethane-d4  
Concen: 53.276 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. 0.006 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Tgt Ion: 65 Resp: 508607  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 103.0

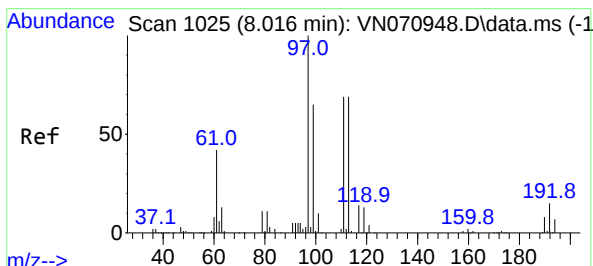
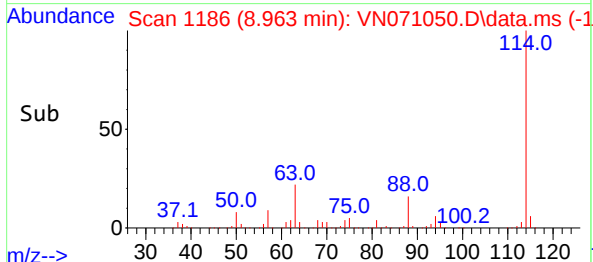
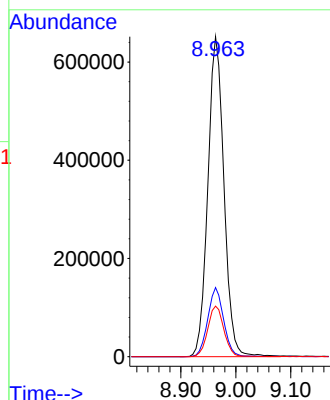
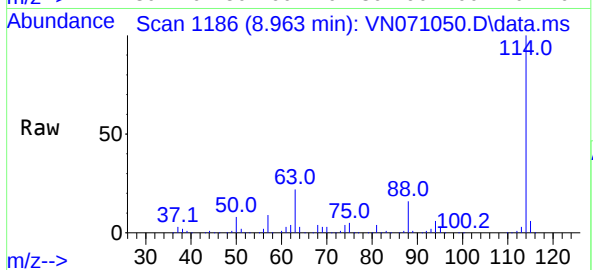




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

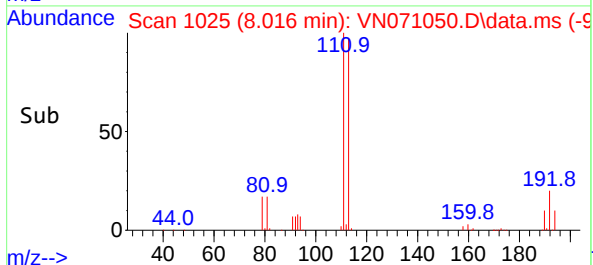
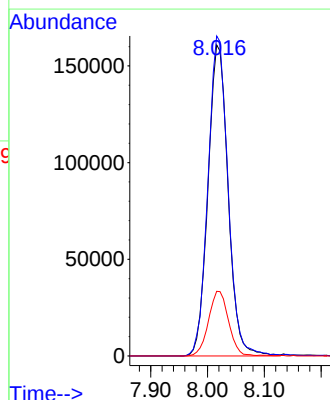
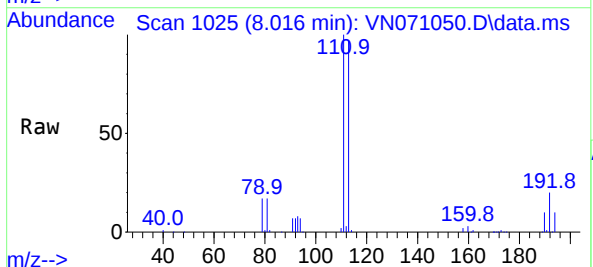
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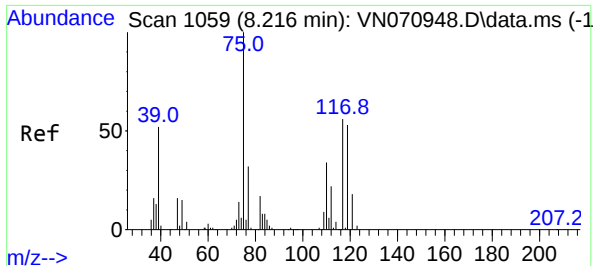
Tgt Ion:114 Resp: 1326097  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 37.8  
88 15.8 0.0 27.4



#35  
Dibromofluoromethane  
Concen: 50.097 ug/l  
RT: 8.016 min Scan# 1025  
Delta R.T. 0.000 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Tgt Ion:113 Resp: 395146  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.2 123.2  
192 20.6 16.9 25.3

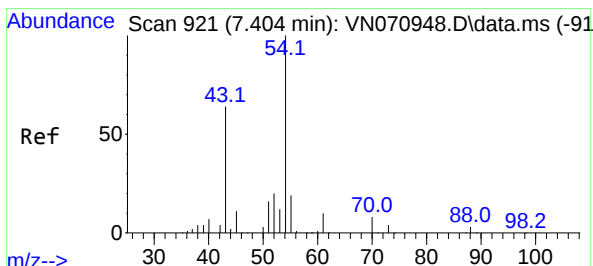
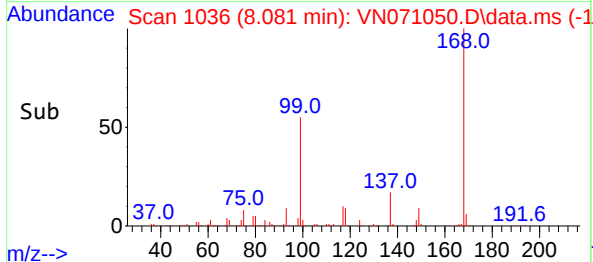
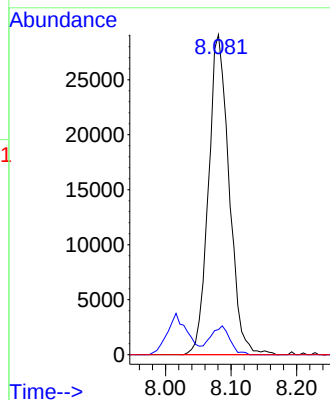
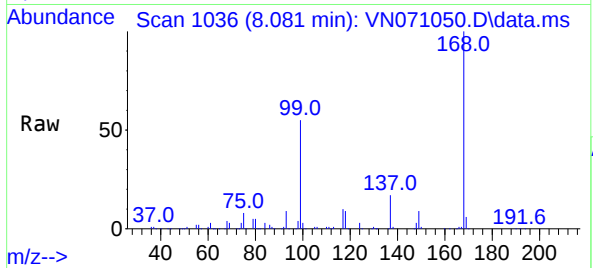




#36  
1,1-Dichloropropene  
Concen: 4.937 ug/l  
RT: 8.081 min Scan# 1  
Delta R.T. -0.135 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

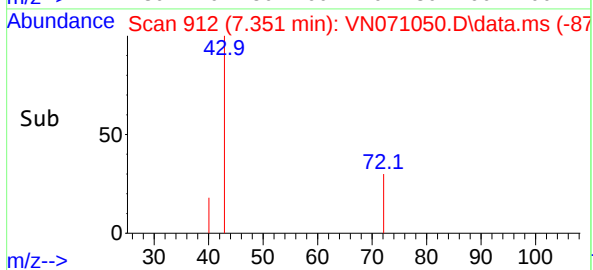
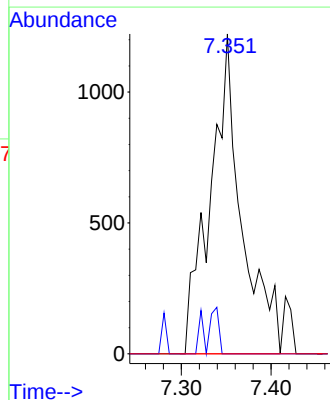
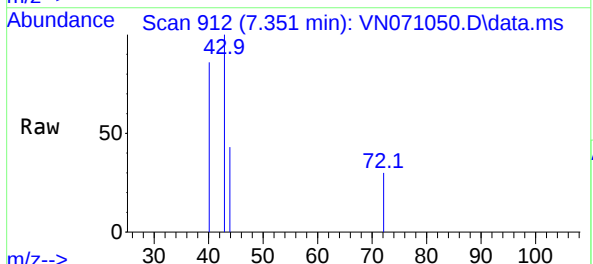
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0224WBL01

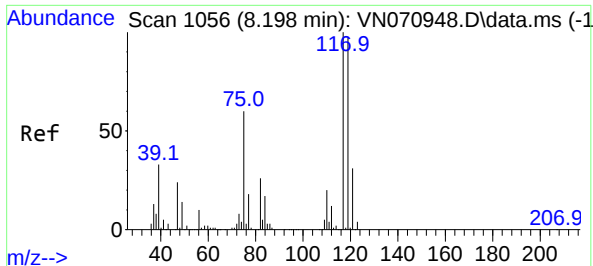
Tgt Ion: 75 Resp: 63800  
Ion Ratio Lower Upper  
75 100  
110 8.7 18.4 55.2#  
77 0.0 24.4 36.6#



#37  
Ethyl Acetate  
Concen: 0.216 ug/l  
RT: 7.351 min Scan# 912  
Delta R.T. -0.053 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Tgt Ion: 43 Resp: 2987  
Ion Ratio Lower Upper  
43 100  
61 5.9 11.5 17.3#  
70 0.0 7.9 11.9#

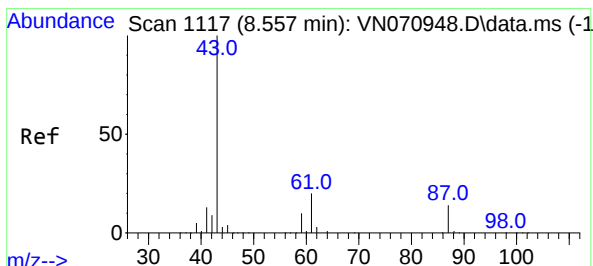
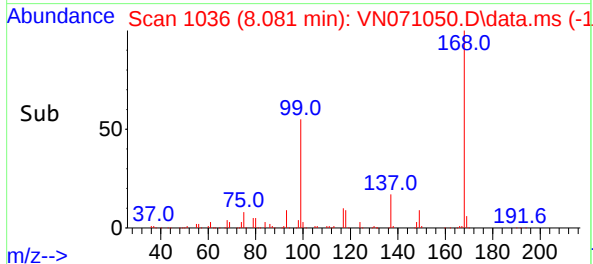
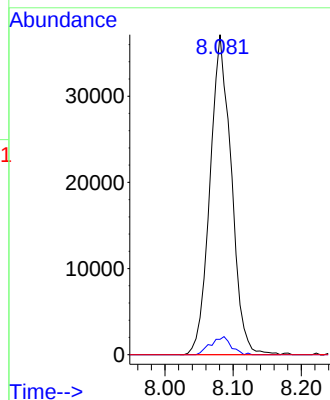
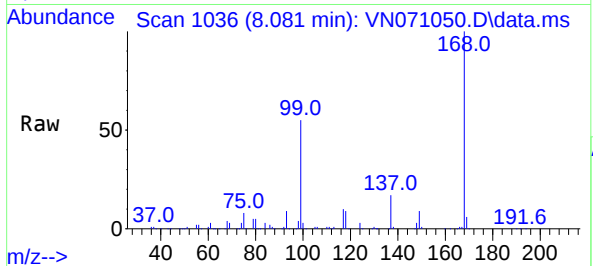




#38  
Carbon Tetrachloride  
Concen: 6.358 ug/l  
RT: 8.081 min Scan# 1109  
Delta R.T. -0.118 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

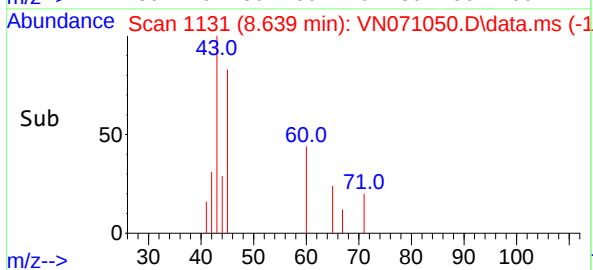
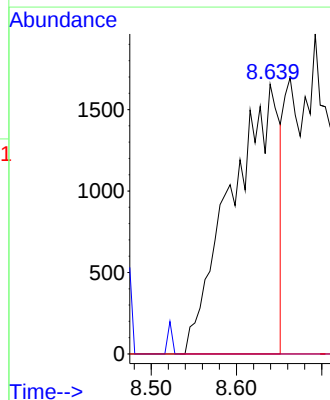
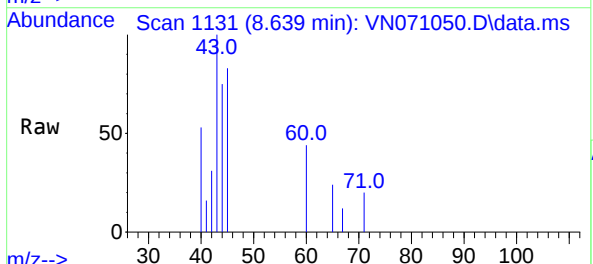
Instrument :  
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ClientSampleId :  
VN0224WBL01

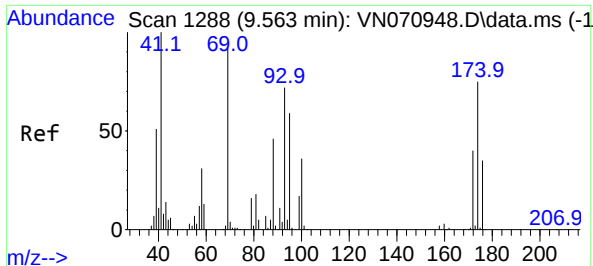
Tgt Ion:117 Resp: 80959  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.1 114.1#  
121 0.0 24.2 36.2#



#43  
Isopropyl Acetate  
Concen: 0.298 ug/l  
RT: 8.639 min Scan# 1131  
Delta R.T. 0.082 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Tgt Ion: 43 Resp: 6515  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.4 30.6#  
87 0.0 11.2 16.8#

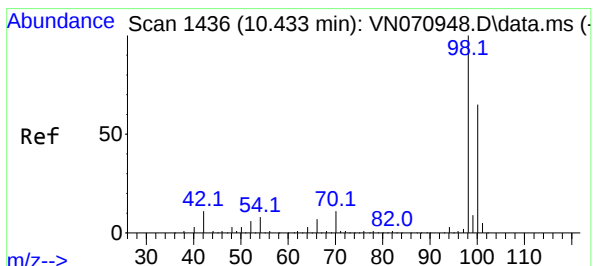
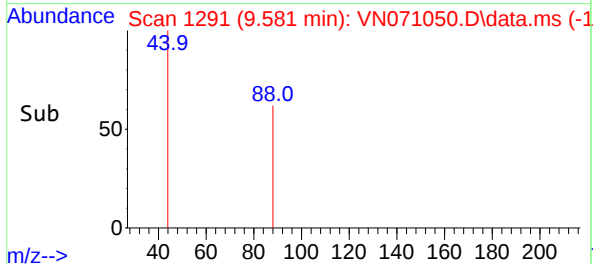
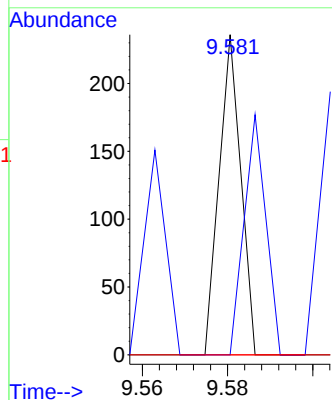
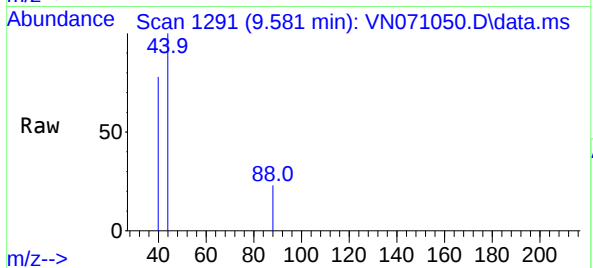




#49  
1,4-Dioxane  
Concen: 0.452 ug/l  
RT: 9.581 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

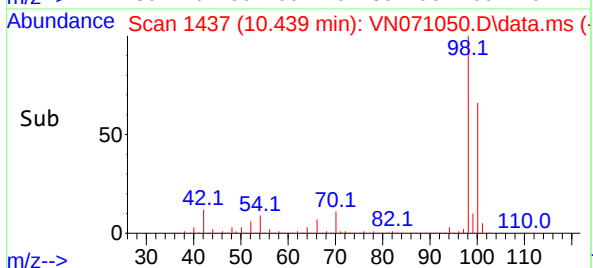
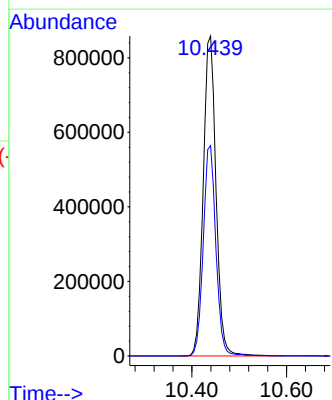
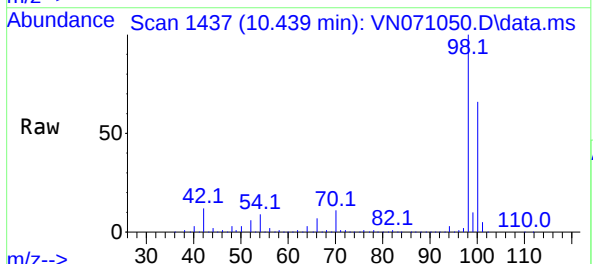
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MSVOA\_N  
ClientSampleId :  
VN0224WBL01

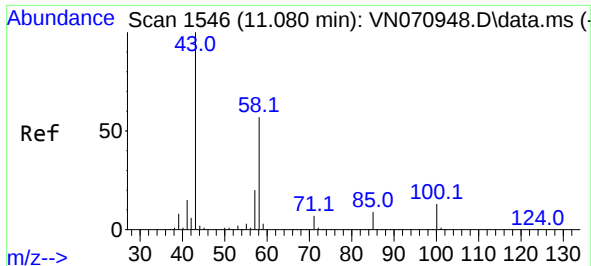
Tgt Ion: 88 Resp: 83  
Ion Ratio Lower Upper  
88 100  
43 74.7 23.4 35.2#  
58 0.0 50.6 75.8#



#50  
Toluene-d8  
Concen: 50.967 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.006 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Tgt Ion: 98 Resp: 1614426  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.4 75.6

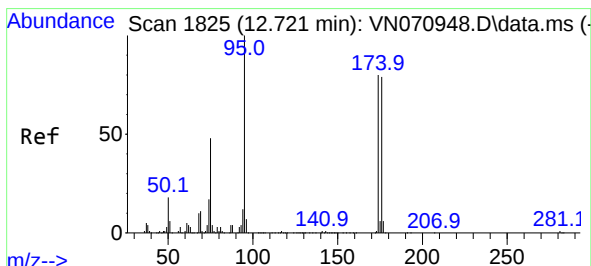
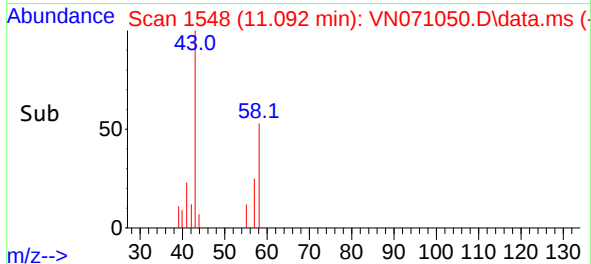
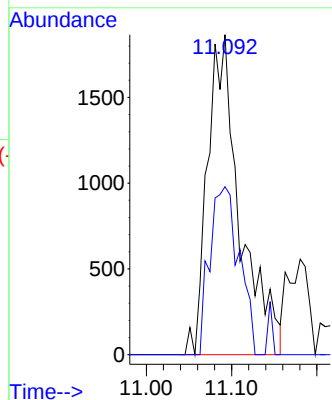
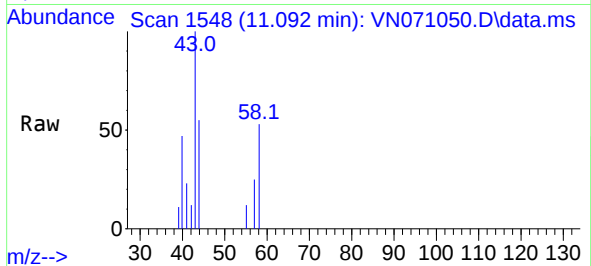




#59  
2-Hexanone  
Concen: 0.542 ug/l  
RT: 11.092 min Scan# 11092  
Delta R.T. 0.012 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

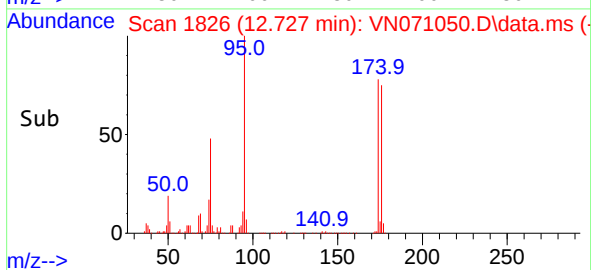
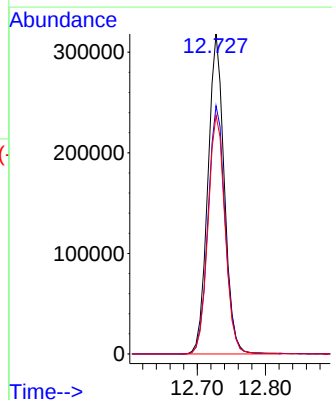
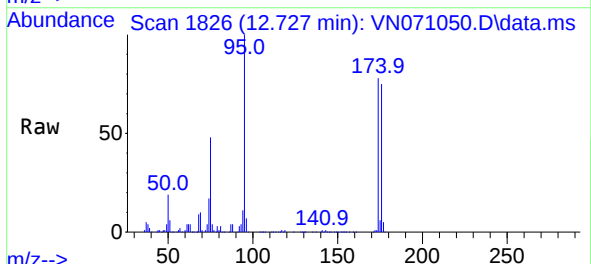
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0224WBL01

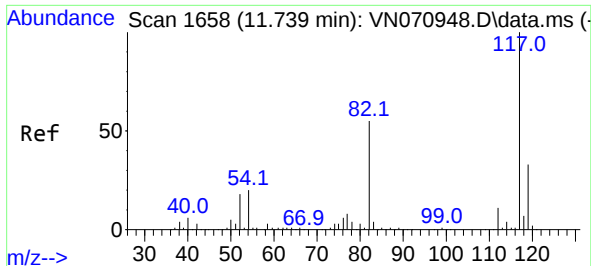
Tgt Ion: 43 Resp: 4956  
Ion Ratio Lower Upper  
43 100  
58 47.4 26.9 80.7



#62  
4-Bromofluorobenzene  
Concen: 46.953 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.006 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Tgt Ion: 95 Resp: 531617  
Ion Ratio Lower Upper  
95 100  
174 80.8 0.0 187.2  
176 77.5 0.0 181.4

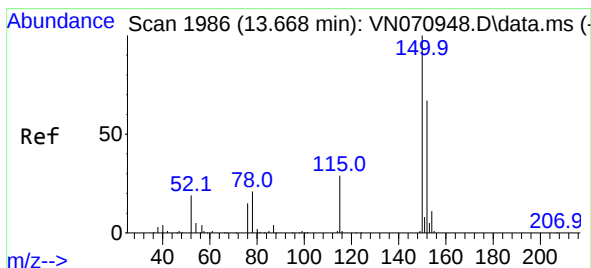
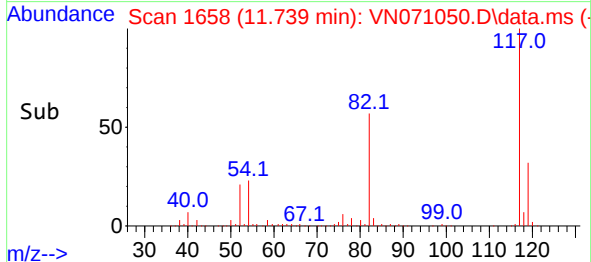
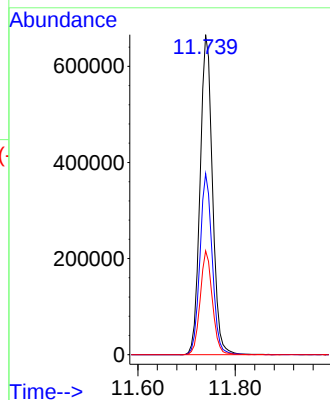
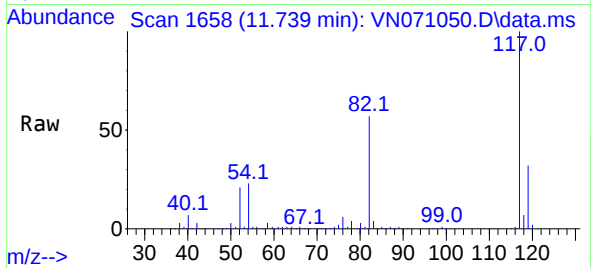




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1177037  
Delta R.T. 0.000 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

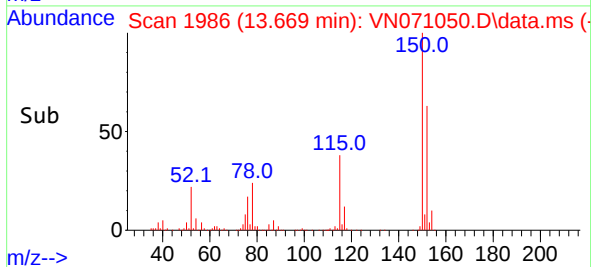
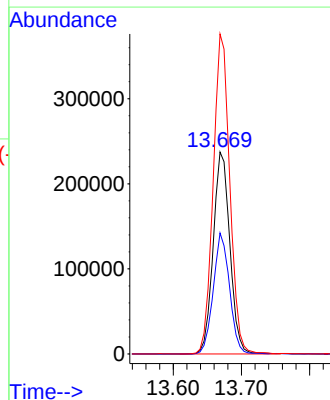
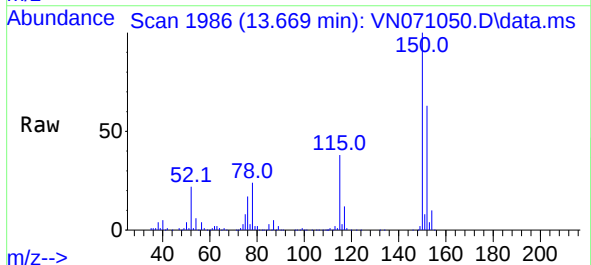
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MSVOA\_N  
ClientSampleId :  
VN0224WBL01

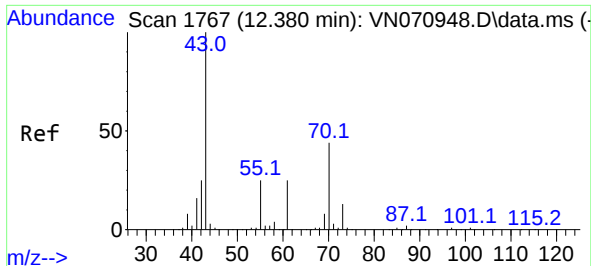
Tgt Ion:117 Resp: 1177037  
Ion Ratio Lower Upper  
117 100  
82 56.5 42.4 63.6  
119 32.4 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.669 min Scan# 1986  
Delta R.T. 0.000 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Tgt Ion:152 Resp: 404538  
Ion Ratio Lower Upper  
152 100  
115 58.2 27.5 82.5  
150 157.6 0.0 344.4

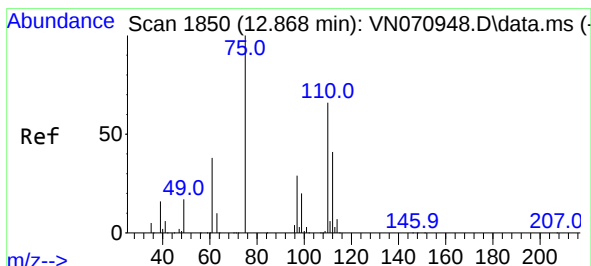
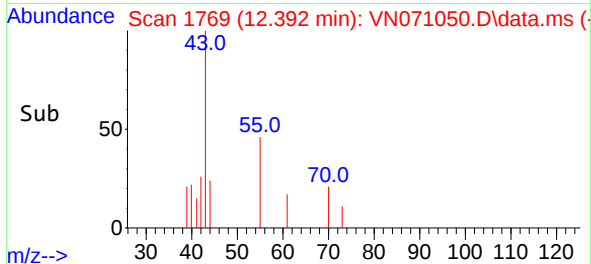
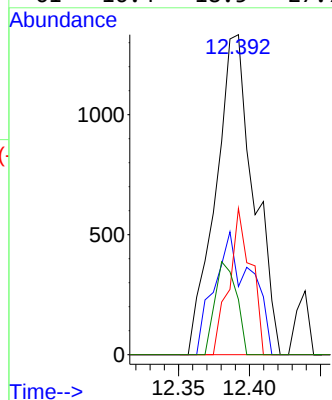
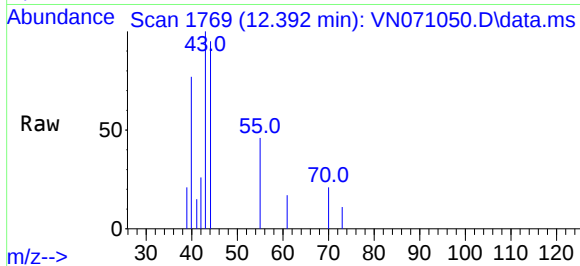




#74  
N-amy1 acetate  
Concen: 0.239 ug/l  
RT: 12.392 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

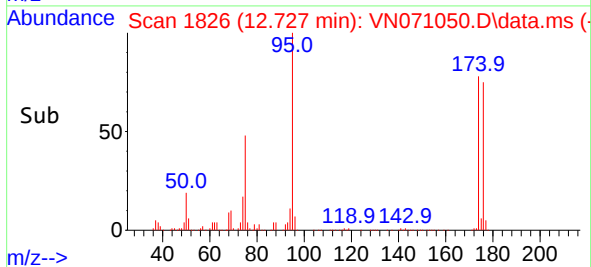
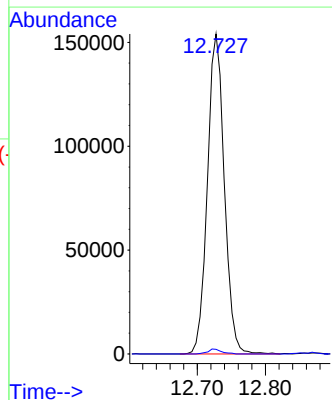
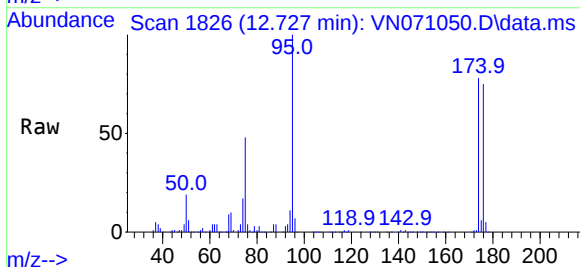
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MSVOA\_N  
ClientSampleId :  
VN0224WBL01

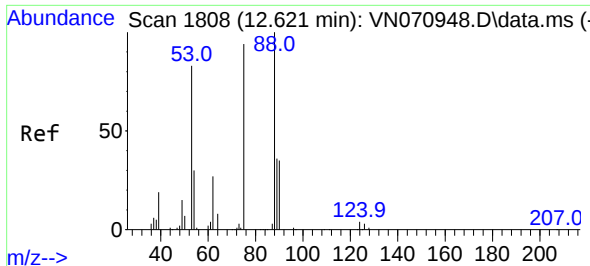
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2491  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 36.8  | 33.4  | 50.0  |
| 55       | 26.3  | 19.3  | 28.9  |
| 61       | 16.4  | 18.5  | 27.7  |



#76  
1,2,3-Trichloropropane  
Concen: 27.913 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.141 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 265866 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 1.3   | 82.6  | 247.8  |

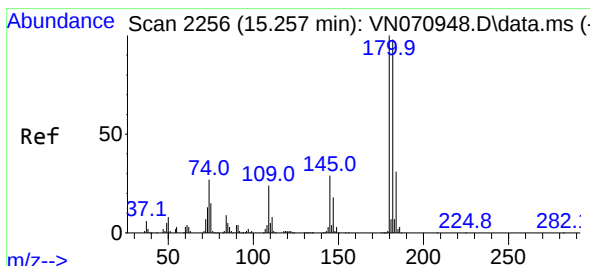
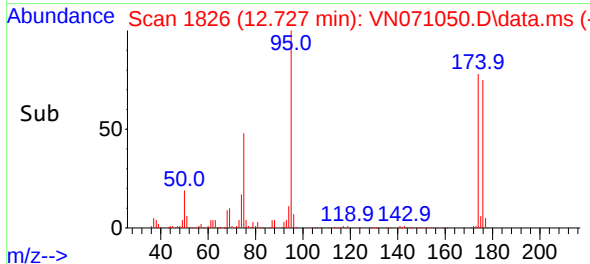
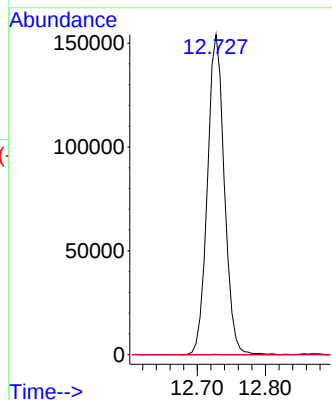
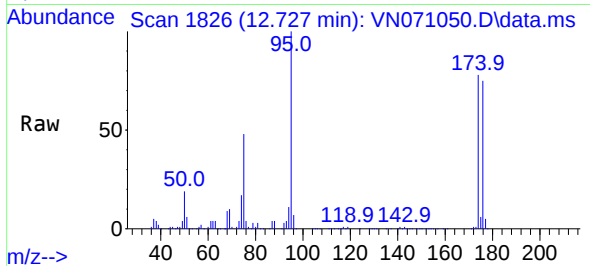




#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.450 ug/l  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.106 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

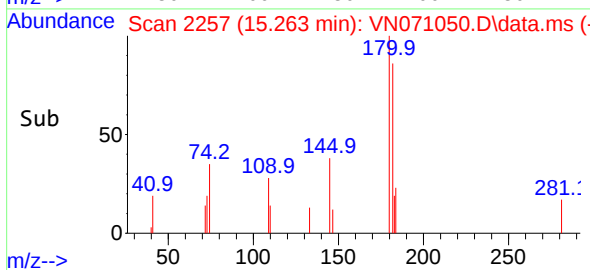
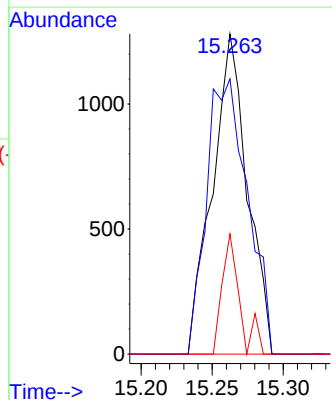
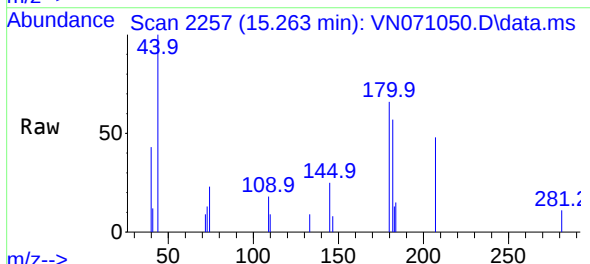
Instrument :  
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ClientSampleId :  
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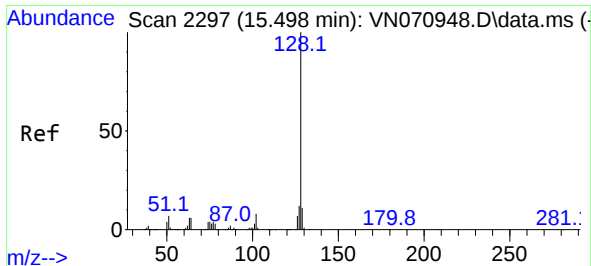
Tgt Ion: 75 Resp: 265866  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 38.2 57.4#



#93  
1,2,4-Trichlorobenzene  
Concen: 2.282 ug/l  
RT: 15.263 min Scan# 2257  
Delta R.T. 0.006 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Tgt Ion:180 Resp: 2195  
Ion Ratio Lower Upper  
180 100  
182 100.8 48.3 144.9  
145 18.7 14.5 43.5

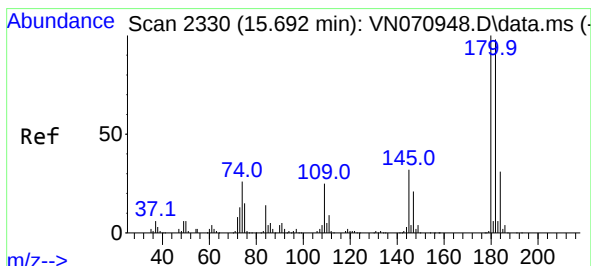
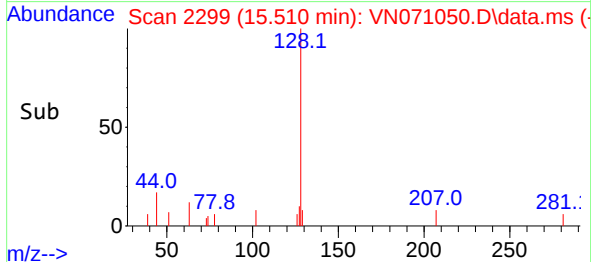
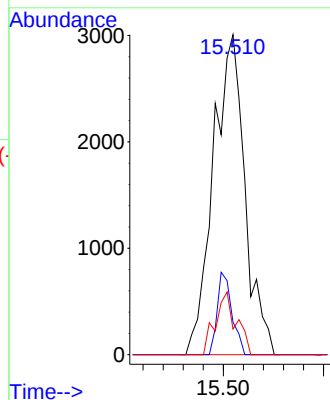
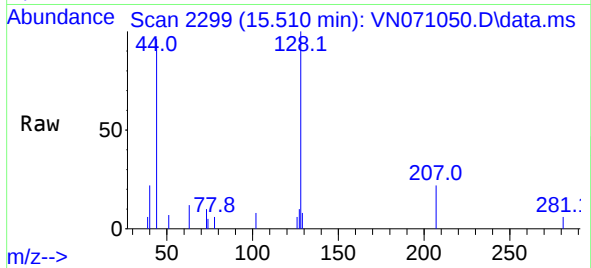




#95  
Naphthalene  
Concen: 5.318 ug/l  
RT: 15.510 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0224WBL01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 6592      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 11.9  | 10.5 15.7 |
| 129         | 12.8  | 8.7 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 2.872 ug/l  
RT: 15.704 min Scan# 2332  
Delta R.T. 0.012 min  
Lab File: VN071050.D  
Acq: 24 Feb 2022 12:44

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 2573       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 86.1  | 47.4 142.2 |
| 145         | 22.6  | 15.0 45.1  |

