

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032622\  
 Data File : VN071579.D  
 Acq On : 26 Mar 2022 17:50  
 Operator : JC\MD  
 Sample : N2131-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-3

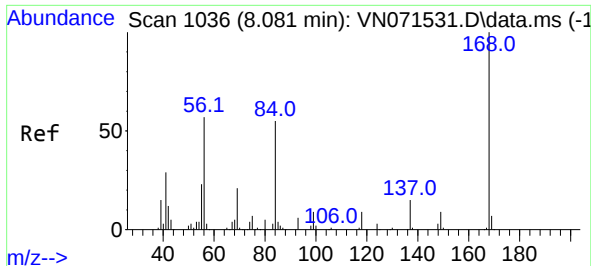
Quant Time: Mar 28 02:19:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032522W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 25 09:52:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.087          | 168  | 807968     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963          | 114  | 1361509    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739         | 117  | 1349363    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.674         | 152  | 518436     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.434          | 65   | 468153     | 46.637    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 93.280%   |        |          |
| 35) Dibromofluoromethane      | 8.016          | 113  | 385284     | 45.027    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 90.060%   |        |          |
| 50) Toluene-d8                | 10.439         | 98   | 1673836    | 48.498    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 97.000%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.727         | 95   | 569552     | 50.364    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 100.720%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 3) Chloromethane              | 2.305          | 50   | 2666       | Below Cal | #      | 86       |
| 5) Bromomethane               | 2.881          | 94   | 2386       | 0.398     | ug/l # | 72       |
| 13) Acrolein                  | 4.046          | 56   | 383        | 0.268     | ug/l # | 64       |
| 16) Acetone                   | 4.293          | 43   | 8953       | 2.176     | ug/l # | 85       |
| 18) Methyl Acetate            | 4.869          | 43   | 6930       | Below Cal | #      | 80       |
| 31) Cyclohexane               | 8.081          | 56   | 14935      | 1.040     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.081          | 75   | 56815      | 4.605     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.081          | 117  | 74675      | 6.209     | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.592          | 43   | 13130      | 0.205     | ug/l # | 53       |
| 52) Toluene                   | 10.504         | 92   | 8103       | 0.337     | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.845         | 91   | 25223      | 0.513     | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.957         | 106  | 25298      | 1.345     | ug/l   | 96       |
| 69) o-Xylene                  | 12.275         | 106  | 5815       | 0.311     | ug/l   | 80       |
| 71) Bromoform                 | 12.727         | 173  | 3095       | 0.389     | ug/l # | 1        |
| 75) 1,1,2,2-Tetrachloroethane | 12.822         | 83   | 120        | Below Cal | #      | 25       |
| 76) 1,2,3-Trichloropropane    | 12.727         | 75   | 286843     | 24.812    | ug/l # | 1        |
| 78) n-propylbenzene           | 12.916         | 91   | 11453      | 0.236     | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 13.057         | 105  | 7790       | 0.216     | ug/l   | 91       |
| 81) trans-1,4-Dichloro-2-b... | 12.727         | 75   | 286843     | 66.430    | ug/l # | 10       |
| 84) 1,2,4-Trimethylbenzene    | 13.369         | 105  | 55479      | 1.593     | ug/l   | 97       |
| 95) Naphthalene               | 15.504         | 128  | 116409     | 7.343     | ug/l   | 99       |
| -----                         |                |      |            |           |        |          |

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

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Response via : Initial Calibration

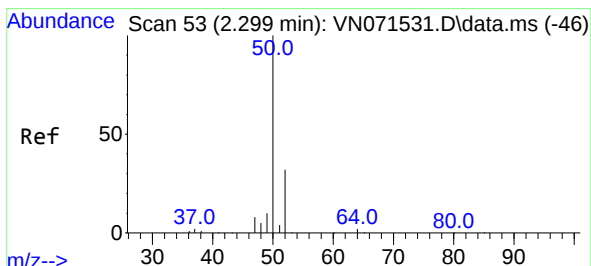
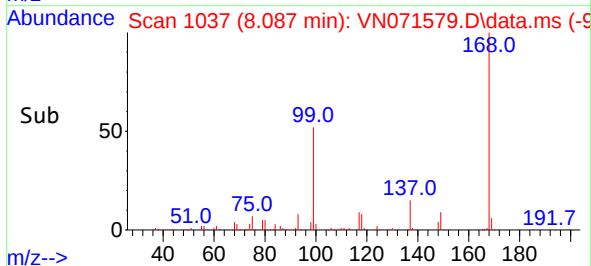
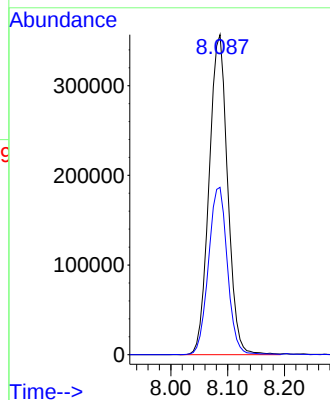
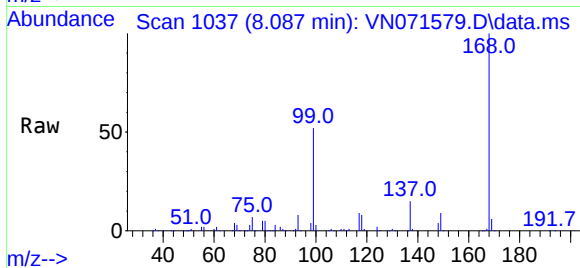




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.087 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

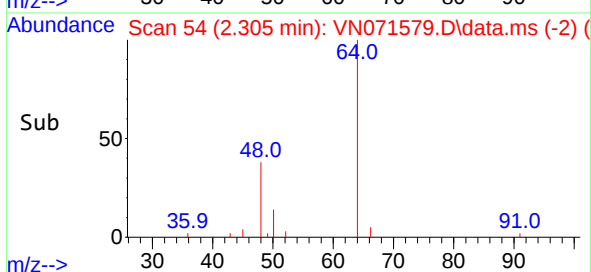
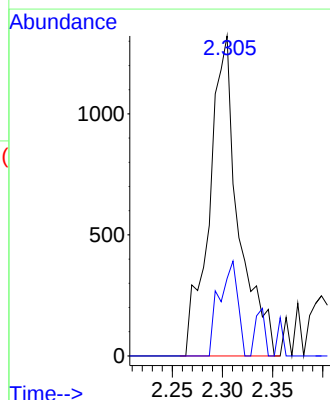
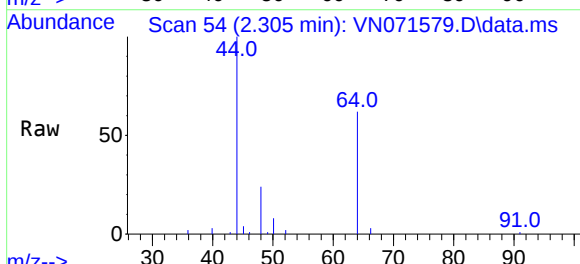
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-3

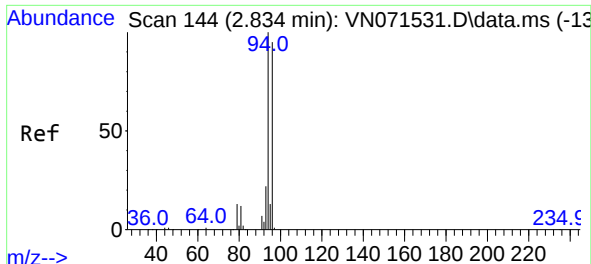
Tgt Ion:168 Resp: 807968  
Ion Ratio Lower Upper  
168 100  
99 52.3 42.3 63.5



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.305 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion: 50 Resp: 2666  
Ion Ratio Lower Upper  
50 100  
52 24.2 25.7 38.5#

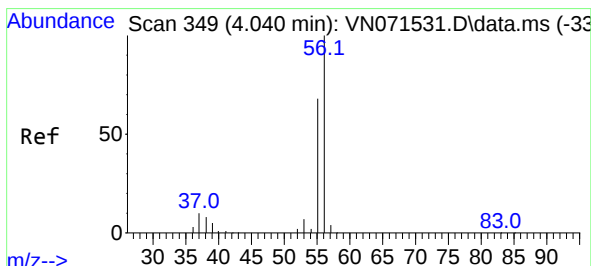
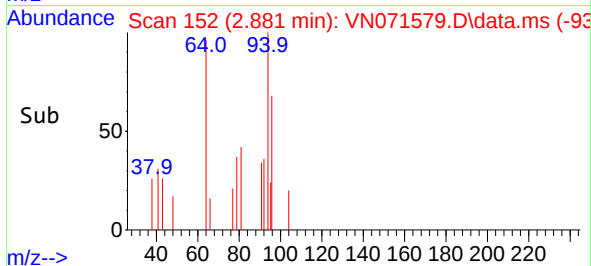
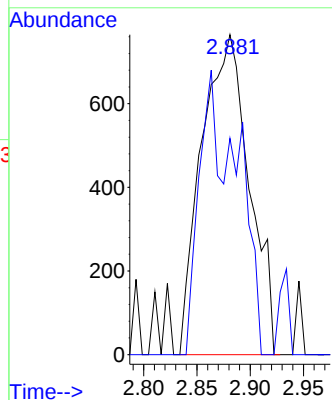
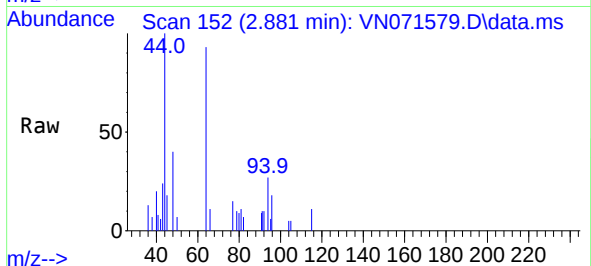




#5  
Bromomethane  
Concen: 0.398 ug/l  
RT: 2.881 min Scan# 11  
Delta R.T. 0.047 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

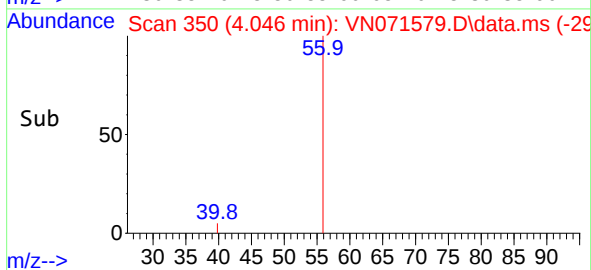
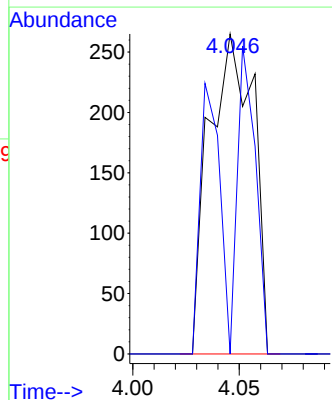
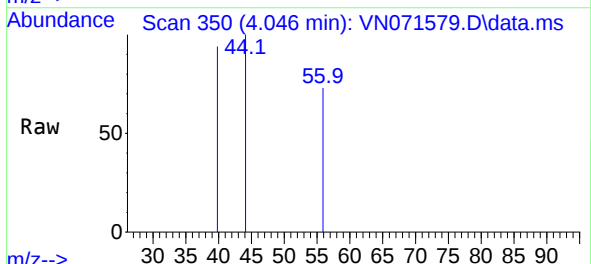
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-3

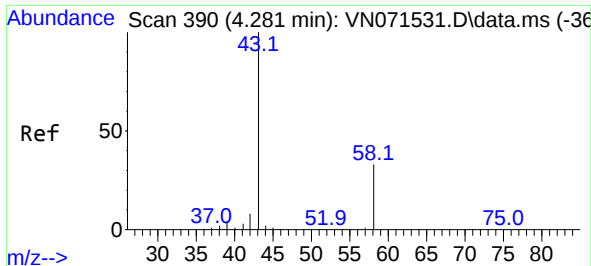
Tgt Ion: 94 Resp: 2386  
Ion Ratio Lower Upper  
94 100  
96 67.6 76.0 114.0#



#13  
Acrolein  
Concen: 0.268 ug/l  
RT: 4.046 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion: 56 Resp: 383  
Ion Ratio Lower Upper  
56 100  
55 39.4 54.8 82.2#

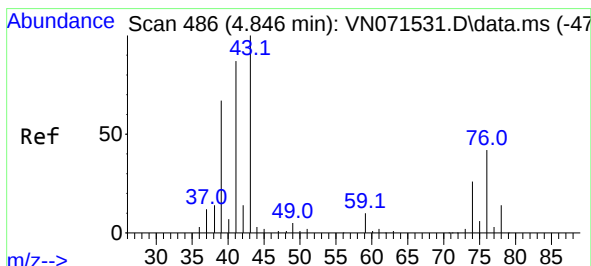
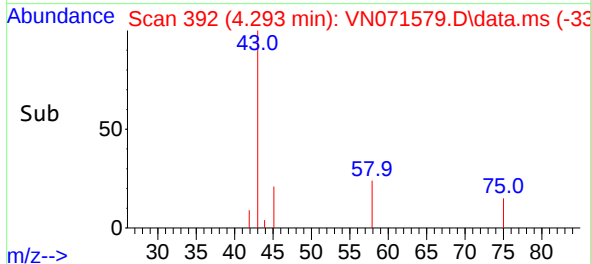
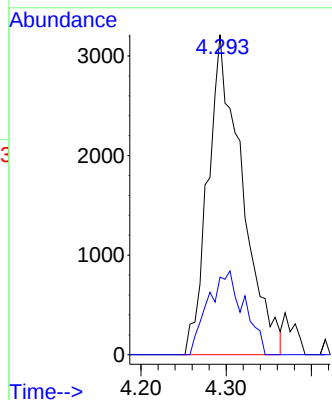
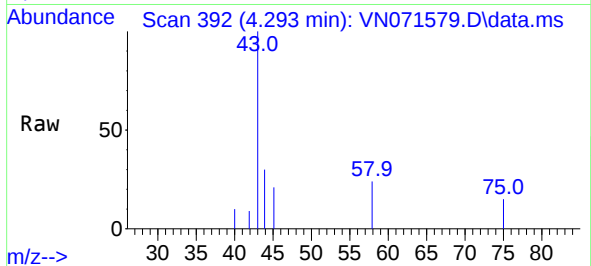




#16  
Acetone  
Concen: 2.176 ug/l  
RT: 4.293 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

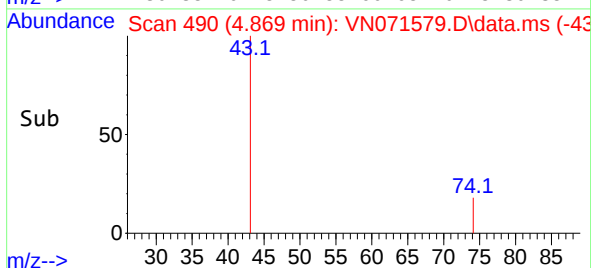
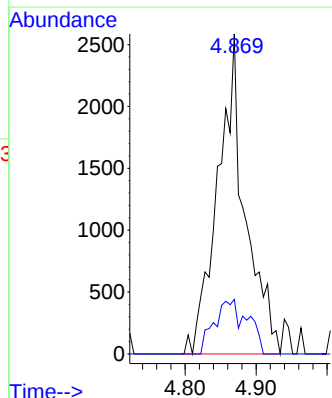
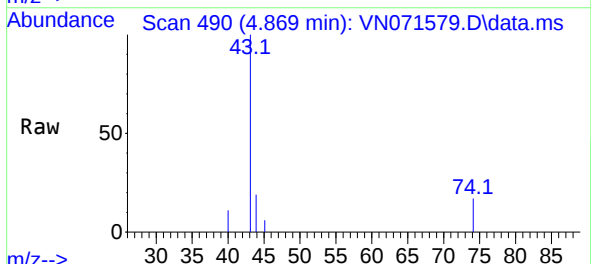
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-3

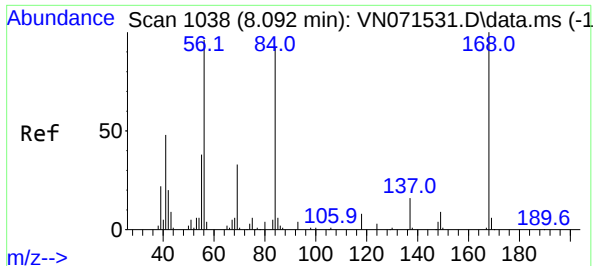
Tgt Ion: 43 Resp: 8953  
Ion Ratio Lower Upper  
43 100  
58 24.2 26.0 39.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.869 min Scan# 490  
Delta R.T. 0.023 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion: 43 Resp: 6930  
Ion Ratio Lower Upper  
43 100  
74 16.9 21.6 32.4#

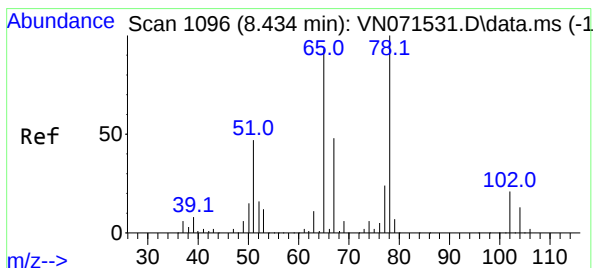
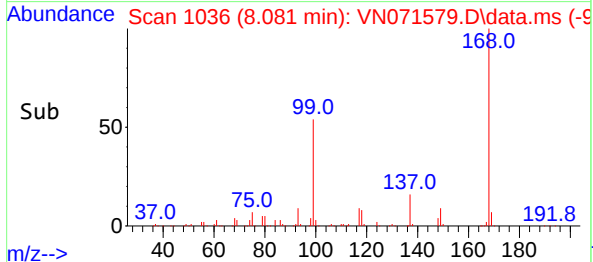
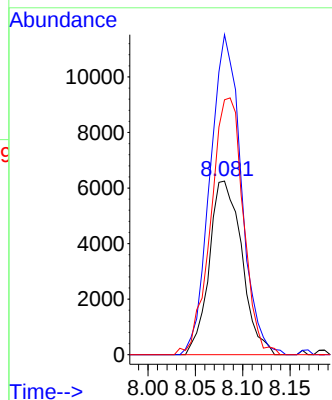
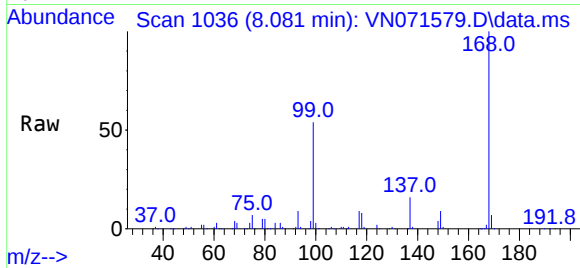




#31  
Cyclohexane  
Concen: 1.040 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.012 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

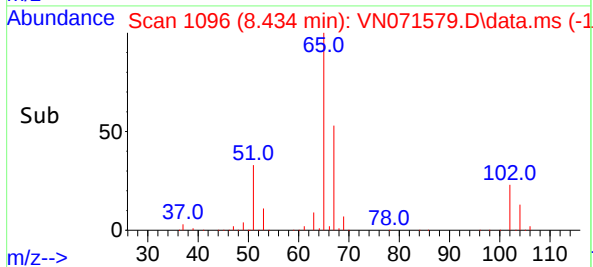
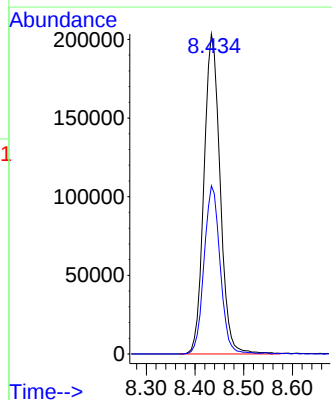
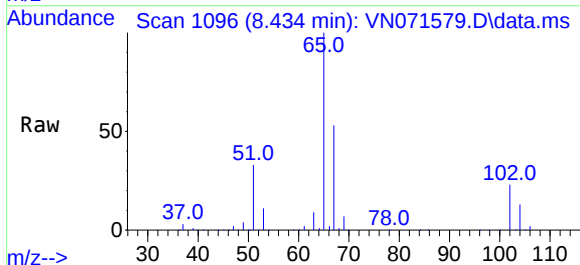
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-3

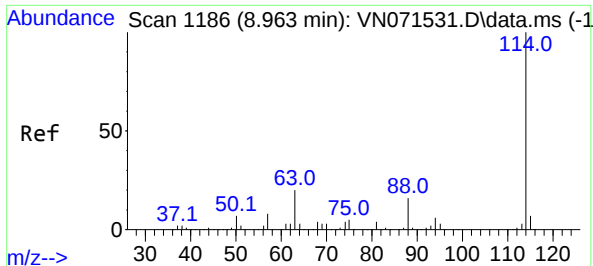
Tgt Ion: 56 Resp: 14935  
Ion Ratio Lower Upper  
56 100  
69 184.4 27.8 41.8#  
84 146.9 76.9 115.3#



#33  
1,2-Dichloroethane-d4  
Concen: 46.637 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. 0.000 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion: 65 Resp: 468153  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 104.8

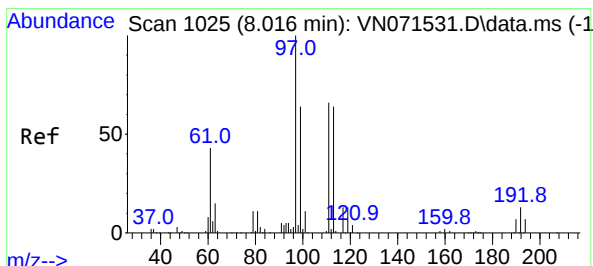
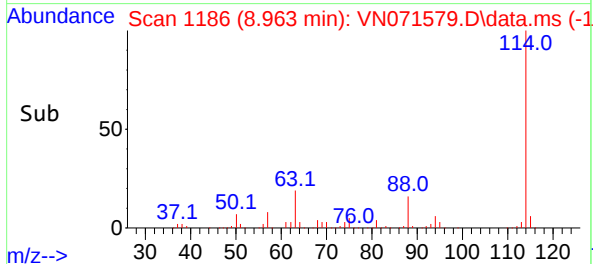
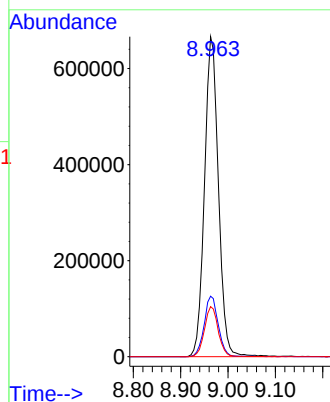
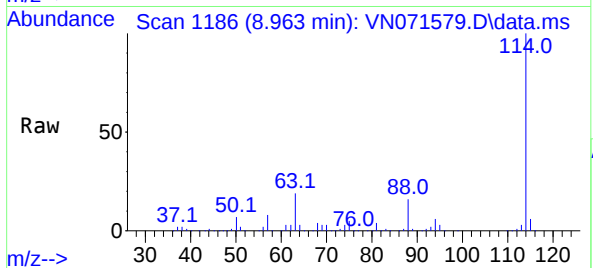




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

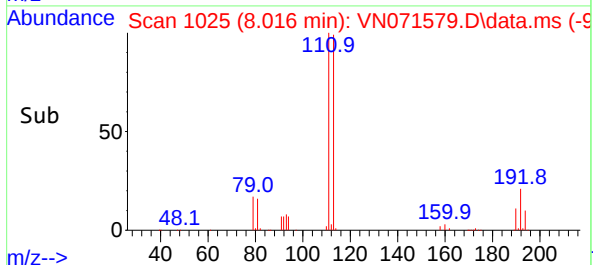
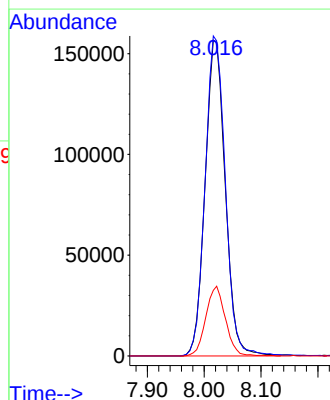
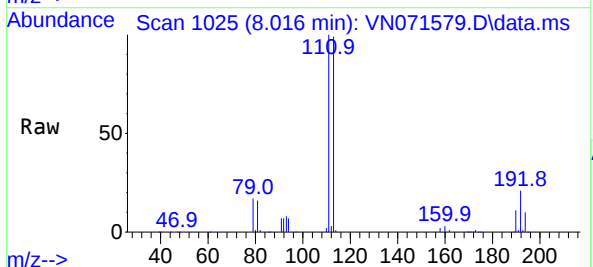
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-3

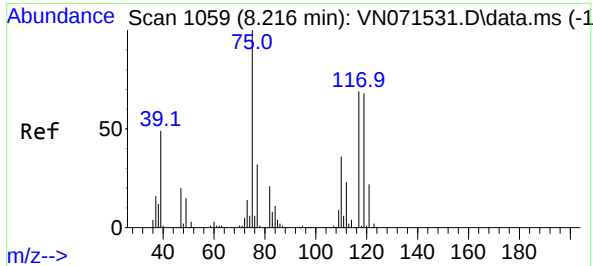
Tgt Ion:114 Resp: 1361509  
Ion Ratio Lower Upper  
114 100  
63 18.9 0.0 40.0  
88 15.6 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 45.027 ug/l  
RT: 8.016 min Scan# 1025  
Delta R.T. 0.000 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion:113 Resp: 385284  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.4 122.0  
192 21.4 17.0 25.6

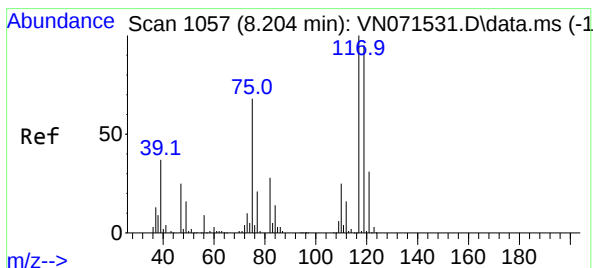
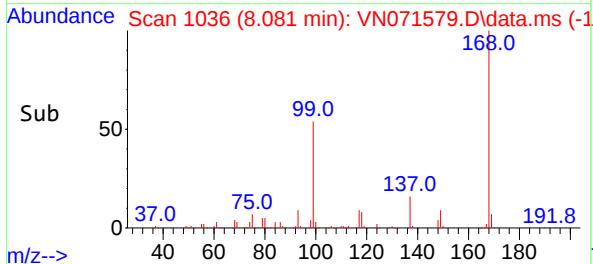
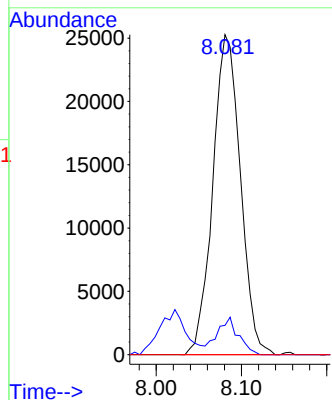
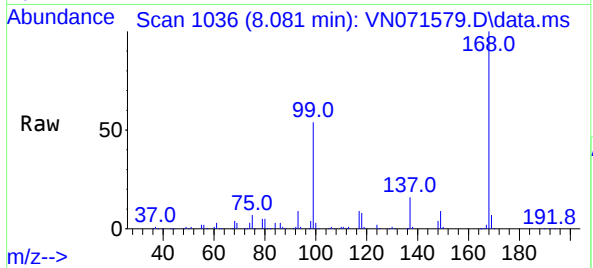




#36  
1,1-Dichloropropene  
Concen: 4.605 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.135 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

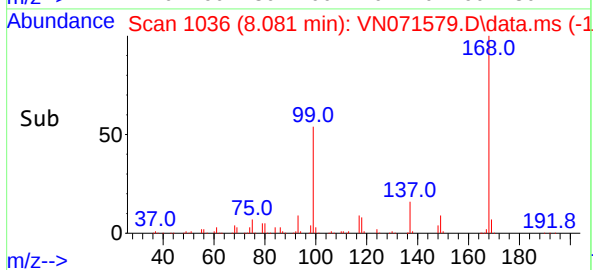
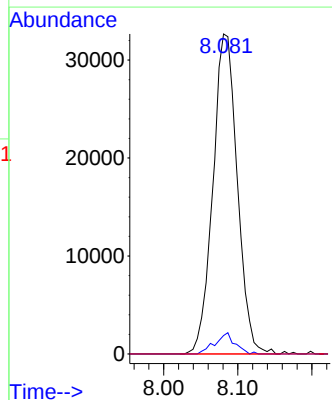
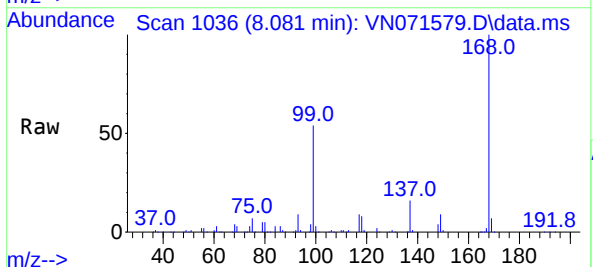
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-3

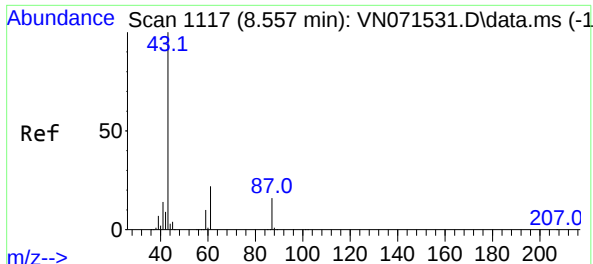
Tgt Ion: 75 Resp: 56815  
Ion Ratio Lower Upper  
75 100  
110 8.9 18.3 54.8#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 6.209 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.124 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion: 117 Resp: 74675  
Ion Ratio Lower Upper  
117 100  
119 5.7 75.8 113.8#  
121 0.0 24.6 37.0#

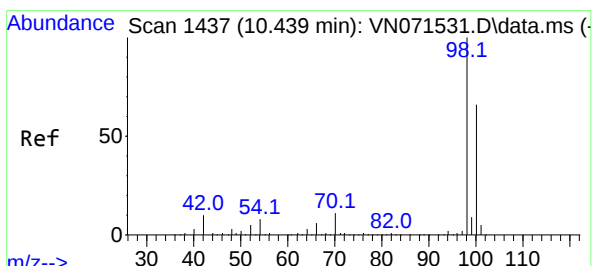
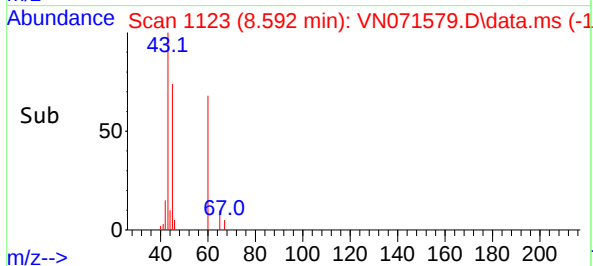
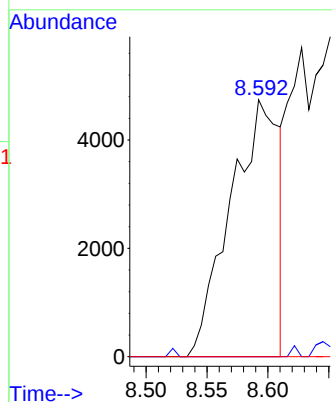
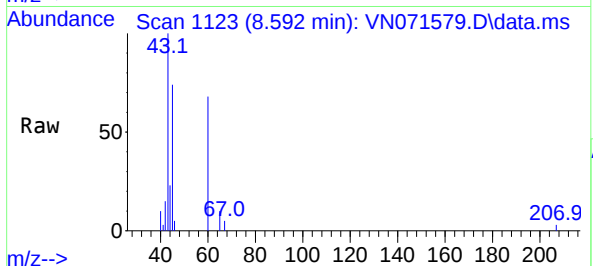




#43  
Isopropyl Acetate  
Concen: 0.205 ug/l  
RT: 8.592 min Scan# 1117  
Delta R.T. 0.035 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

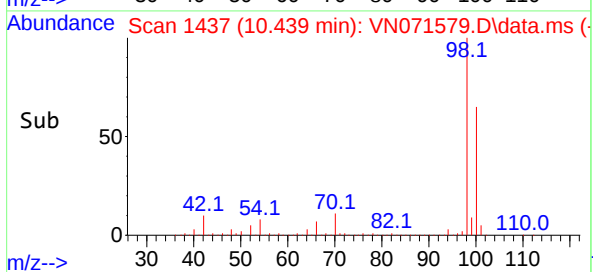
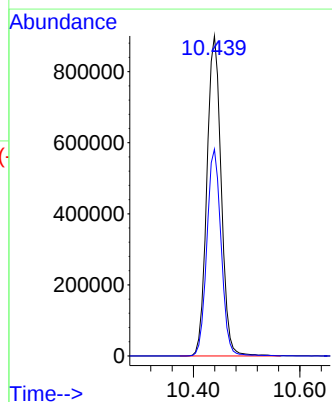
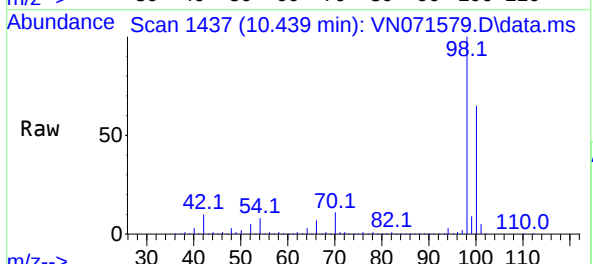
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-3

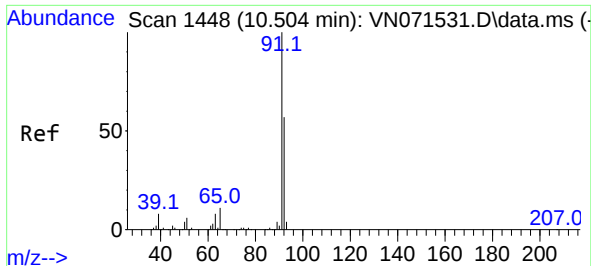
Tgt Ion: 43 Resp: 13130  
Ion Ratio Lower Upper  
43 100  
61 0.0 21.9 32.9#  
87 0.0 12.0 18.0#



#50  
Toluene-d8  
Concen: 48.498 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion: 98 Resp: 1673836  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.6 78.8

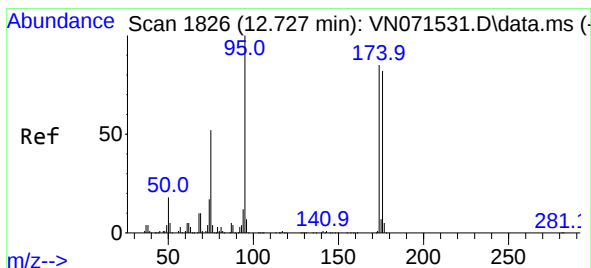
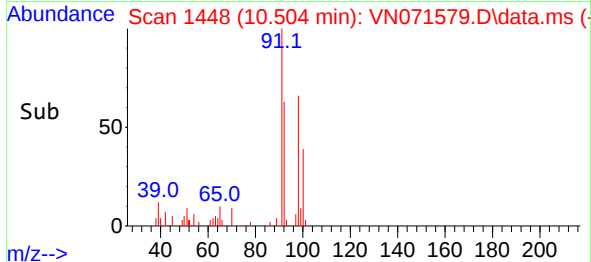
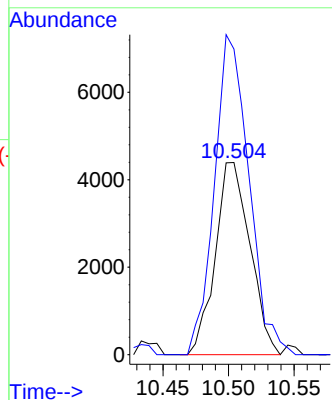
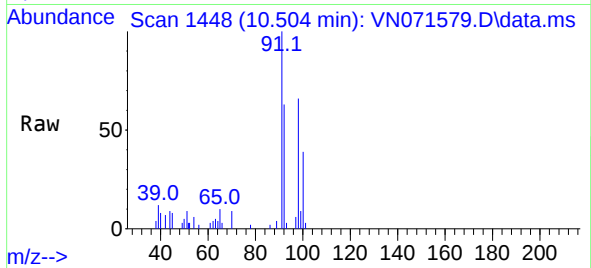




#52  
Toluene  
Concen: 0.337 ug/l  
RT: 10.504 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

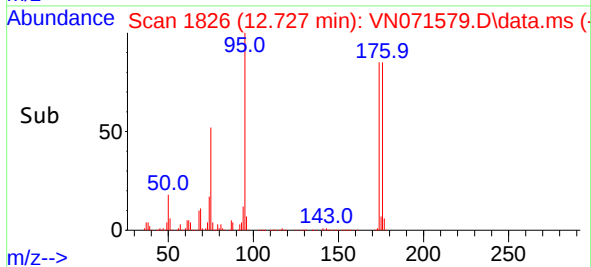
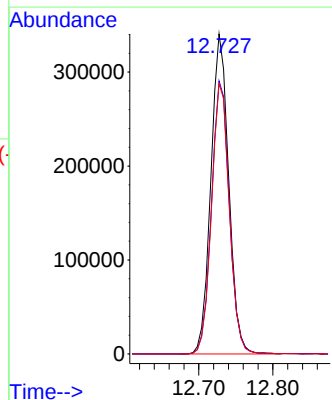
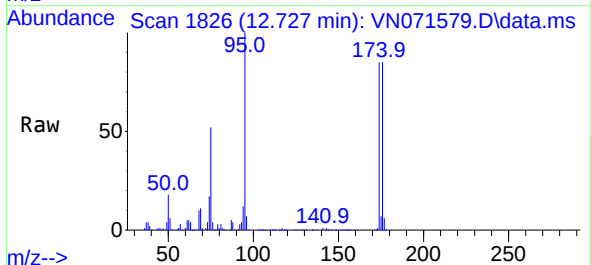
Instrument :  
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ClientSampleId :  
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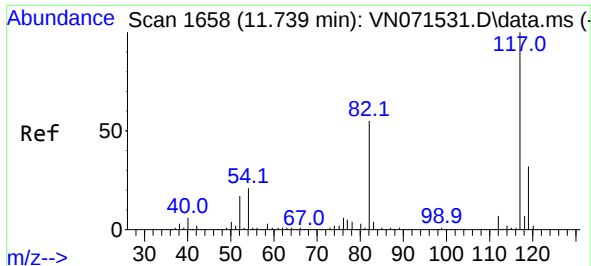
Tgt Ion: 92 Resp: 8103  
Ion Ratio Lower Upper  
92 100  
91 165.6 138.6 207.8



#62  
4-Bromofluorobenzene  
Concen: 50.364 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion: 95 Resp: 569552  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 167.6  
176 84.0 0.0 163.4

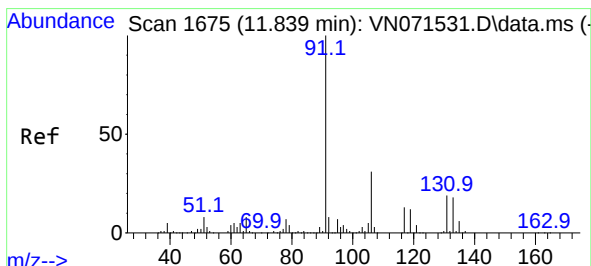
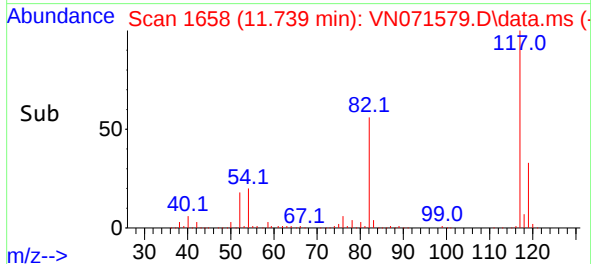
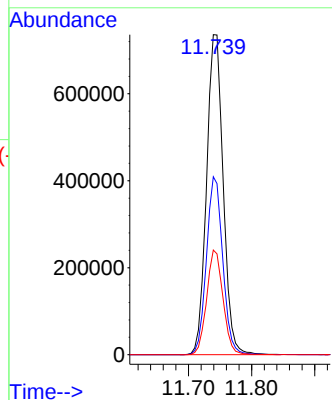
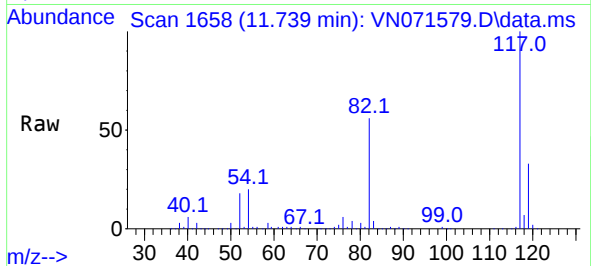




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

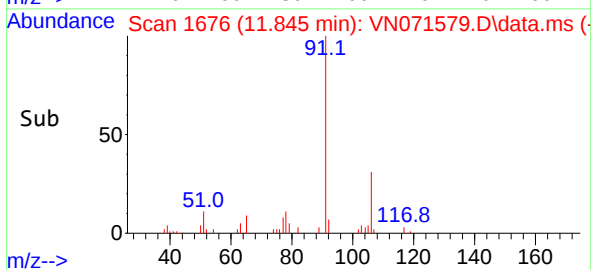
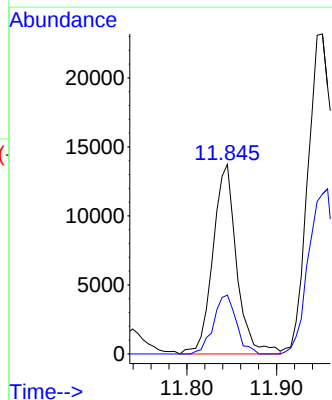
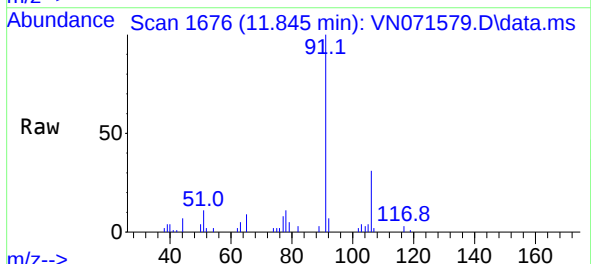
Instrument :  
MSVOA\_N  
ClientSampleId :  
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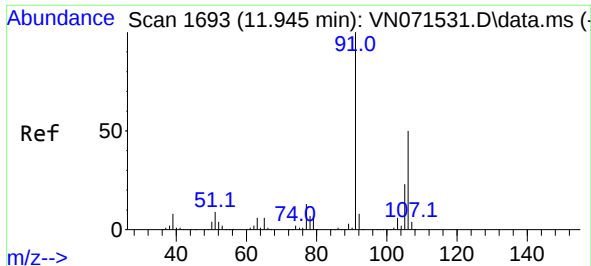
Tgt Ion:117 Resp: 1349363  
Ion Ratio Lower Upper  
117 100  
82 55.6 44.2 66.2  
119 32.7 25.4 38.0



#67  
Ethyl Benzene  
Concen: 0.513 ug/l  
RT: 11.845 min Scan# 1676  
Delta R.T. 0.006 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion: 91 Resp: 25223  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.9 37.3

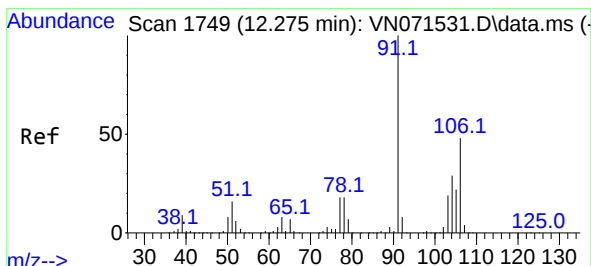
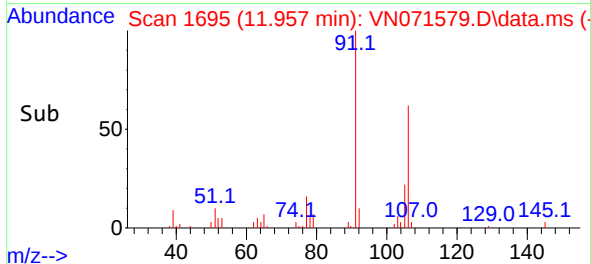
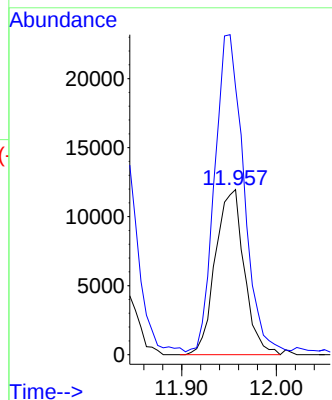
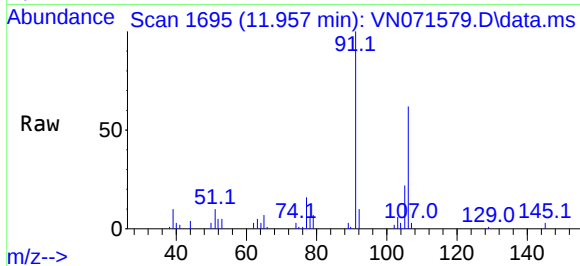




#68  
m/p-Xylenes  
Concen: 1.345 ug/l  
RT: 11.957 min Scan# 1695  
Delta R.T. 0.012 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

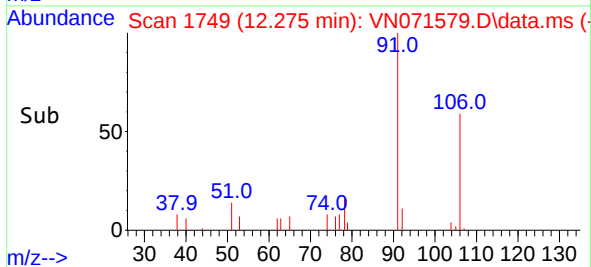
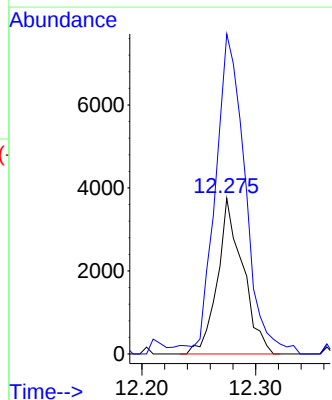
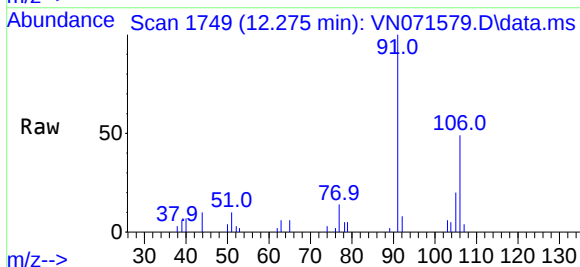
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MSVOA\_N  
ClientSampleId :  
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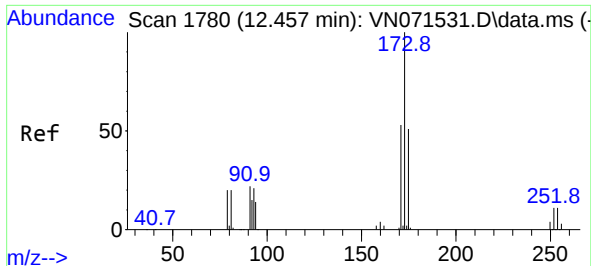
Tgt Ion:106 Resp: 25298  
Ion Ratio Lower Upper  
106 100  
91 192.2 158.9 238.3



#69  
o-Xylene  
Concen: 0.311 ug/l  
RT: 12.275 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion:106 Resp: 5815  
Ion Ratio Lower Upper  
106 100  
91 242.8 106.0 318.0

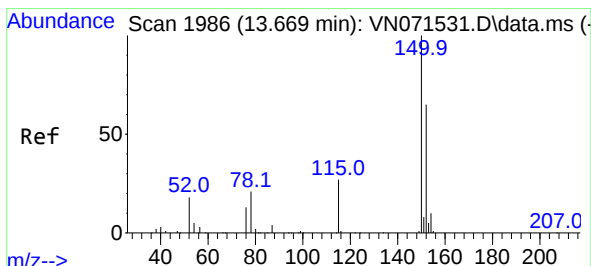
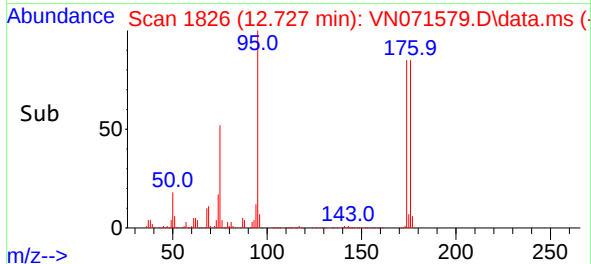
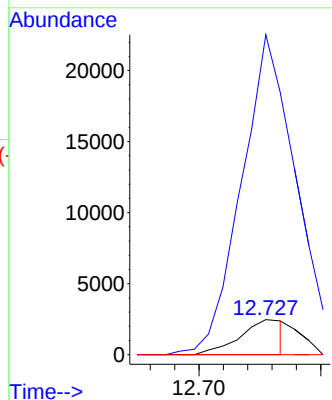
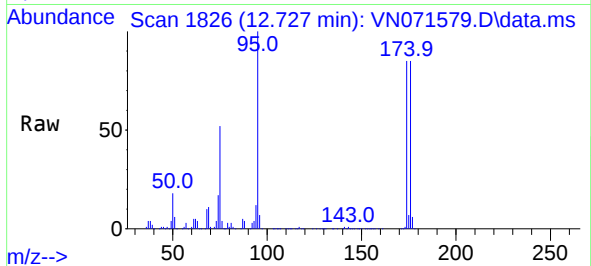




#71  
Bromoform  
Concen: 0.389 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.271 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

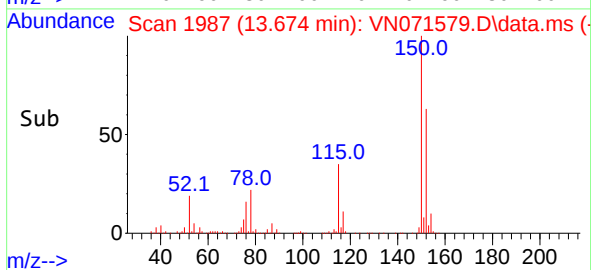
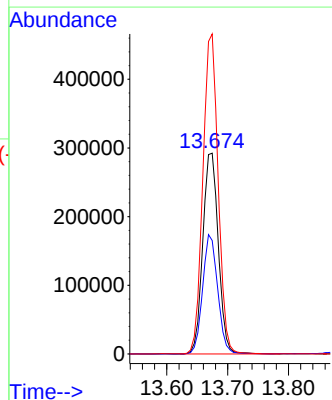
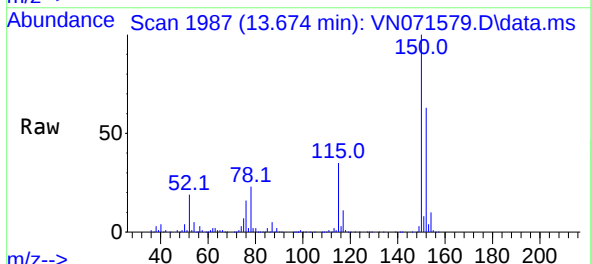
Instrument :  
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ClientSampleId :  
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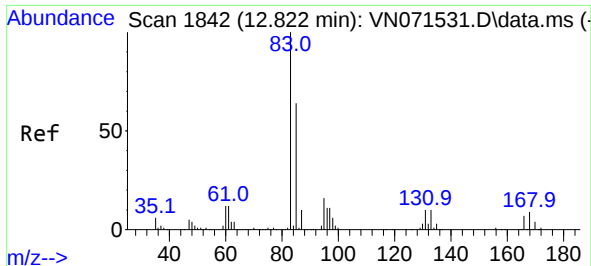
Tgt Ion:173 Resp: 3095  
Ion Ratio Lower Upper  
173 100  
175 847.7 24.6 73.6#  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.674 min Scan# 1987  
Delta R.T. 0.006 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion:152 Resp: 518436  
Ion Ratio Lower Upper  
152 100  
115 57.8 28.9 86.7  
150 156.6 0.0 356.2

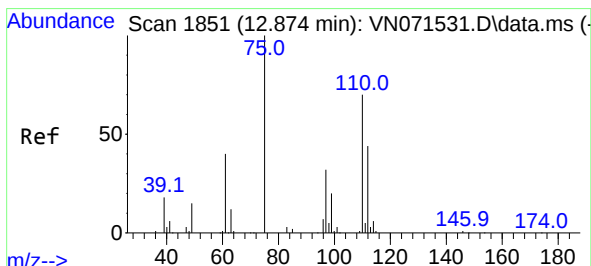
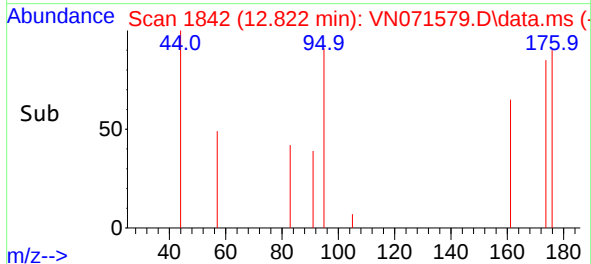
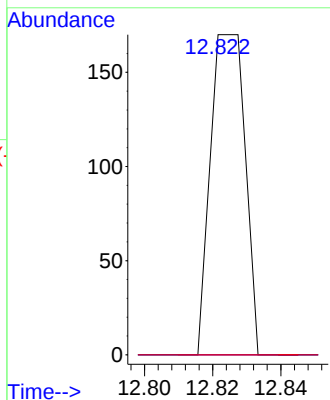
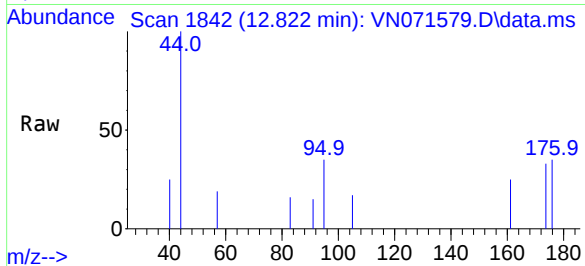




#75  
1,1,2,2-Tetrachloroethane  
Concen: Below Cal  
RT: 12.822 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

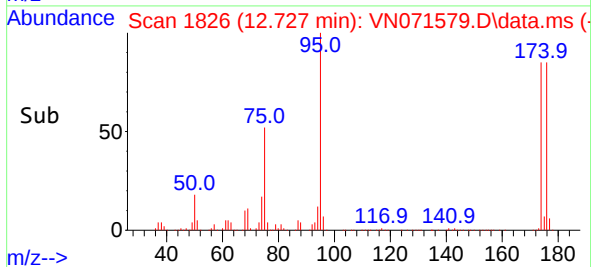
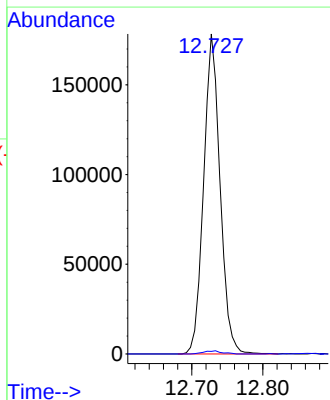
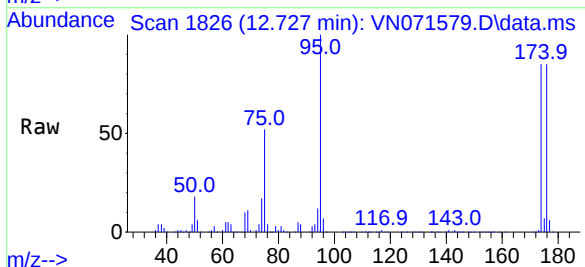
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MSVOA\_N  
ClientSampleId :  
MW-3

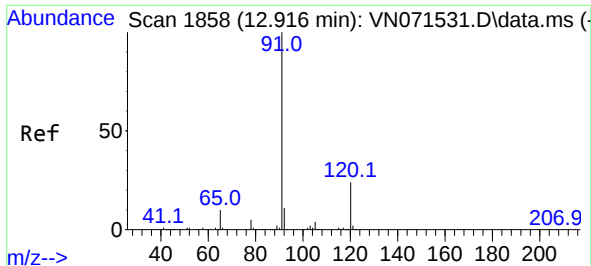
Tgt Ion: 83 Resp: 120  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.3 15.9#  
85 0.0 32.3 96.9#



#76  
1,2,3-Trichloropropane  
Concen: 24.812 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.147 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion: 75 Resp: 286843  
Ion Ratio Lower Upper  
75 100  
77 1.1 98.5 295.5#

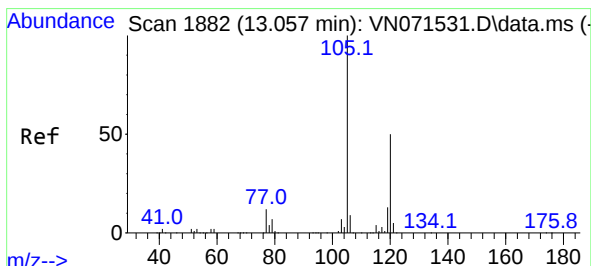
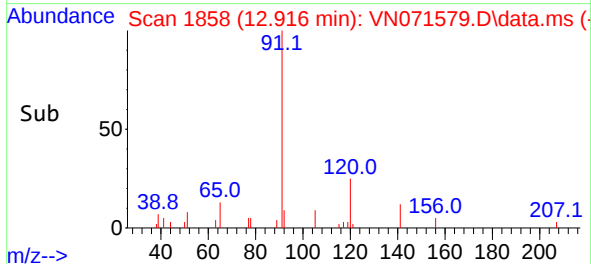
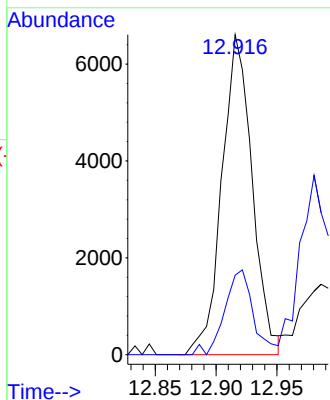
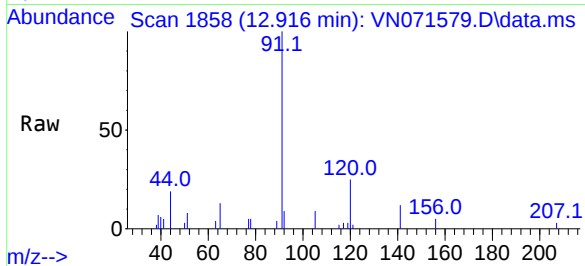




#78  
n-propylbenzene  
Concen: 0.236 ug/l  
RT: 12.916 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

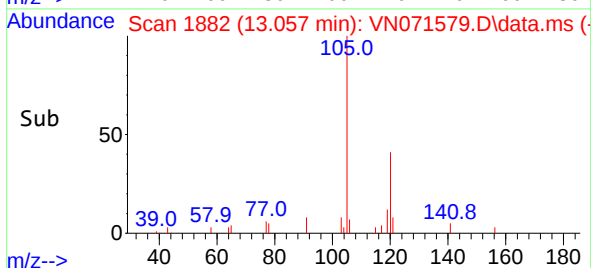
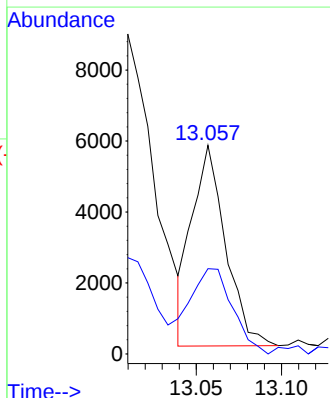
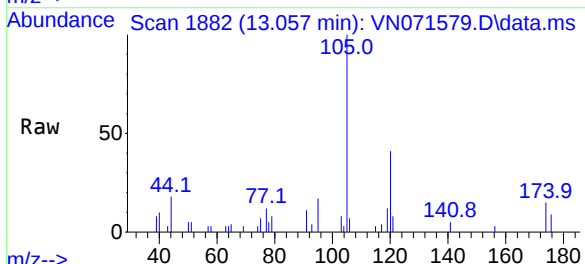
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ClientSampleId :  
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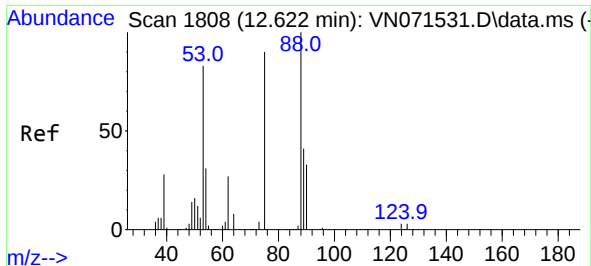
Tgt Ion: 91 Resp: 11453  
Ion Ratio Lower Upper  
91 100  
120 25.0 11.9 35.5



#80  
1,3,5-Trimethylbenzene  
Concen: 0.216 ug/l  
RT: 13.057 min Scan# 1882  
Delta R.T. 0.000 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion: 105 Resp: 7790  
Ion Ratio Lower Upper  
105 100  
120 55.9 24.9 74.7

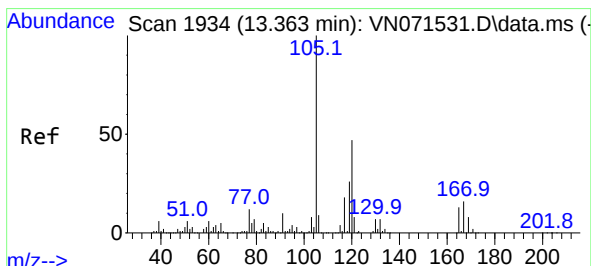
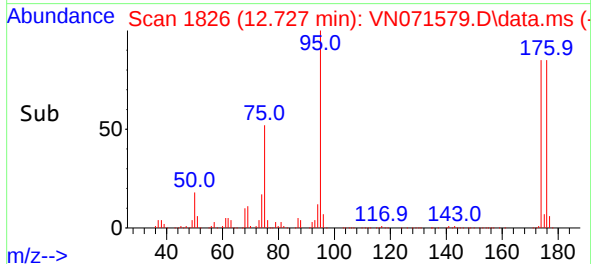
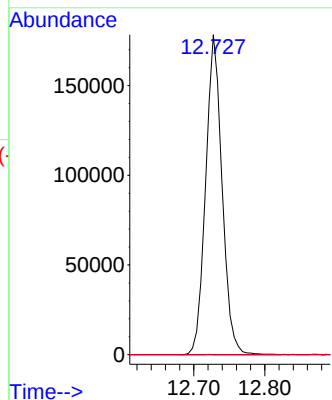
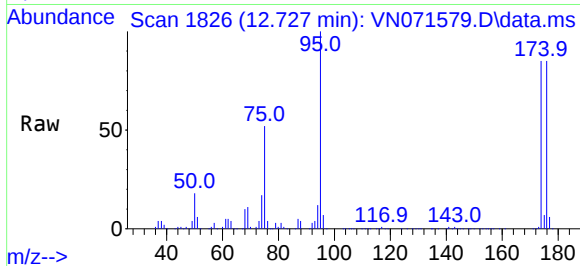




#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.430 ug/l  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.106 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

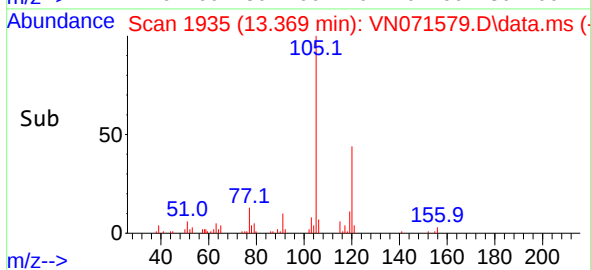
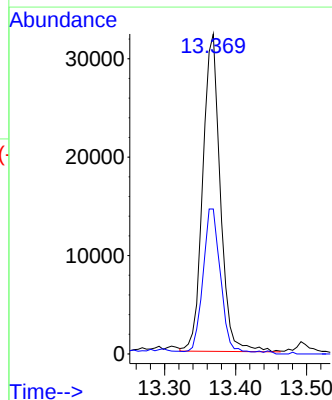
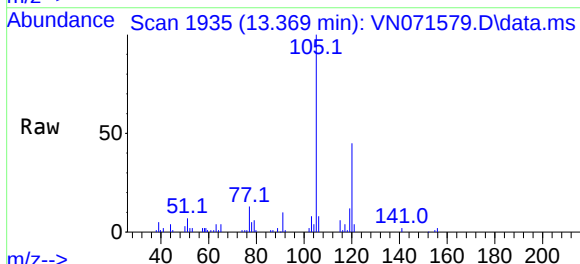
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ClientSampleId :  
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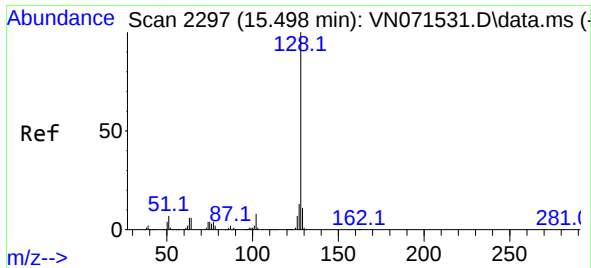
Tgt Ion: 75 Resp: 286843  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#



#84  
1,2,4-Trimethylbenzene  
Concen: 1.593 ug/l  
RT: 13.369 min Scan# 1935  
Delta R.T. 0.006 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Tgt Ion: 105 Resp: 55479  
Ion Ratio Lower Upper  
105 100  
120 44.2 23.3 69.8





#95  
Naphthalene  
Concen: 7.343 ug/l  
RT: 15.504 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN071579.D  
Acq: 26 Mar 2022 17:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-3

Tgt Ion:128 Resp: 116409  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.3 15.5  
129 11.2 8.6 13.0

