

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081721\  
 Data File : VN068174.D  
 Acq On : 18 Aug 2021 5:09  
 Operator : JC/MD  
 Sample : M3410-04  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-5

Quant Time: Aug 18 08:42:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 13:09:49 2021  
 Response via : Initial Calibration

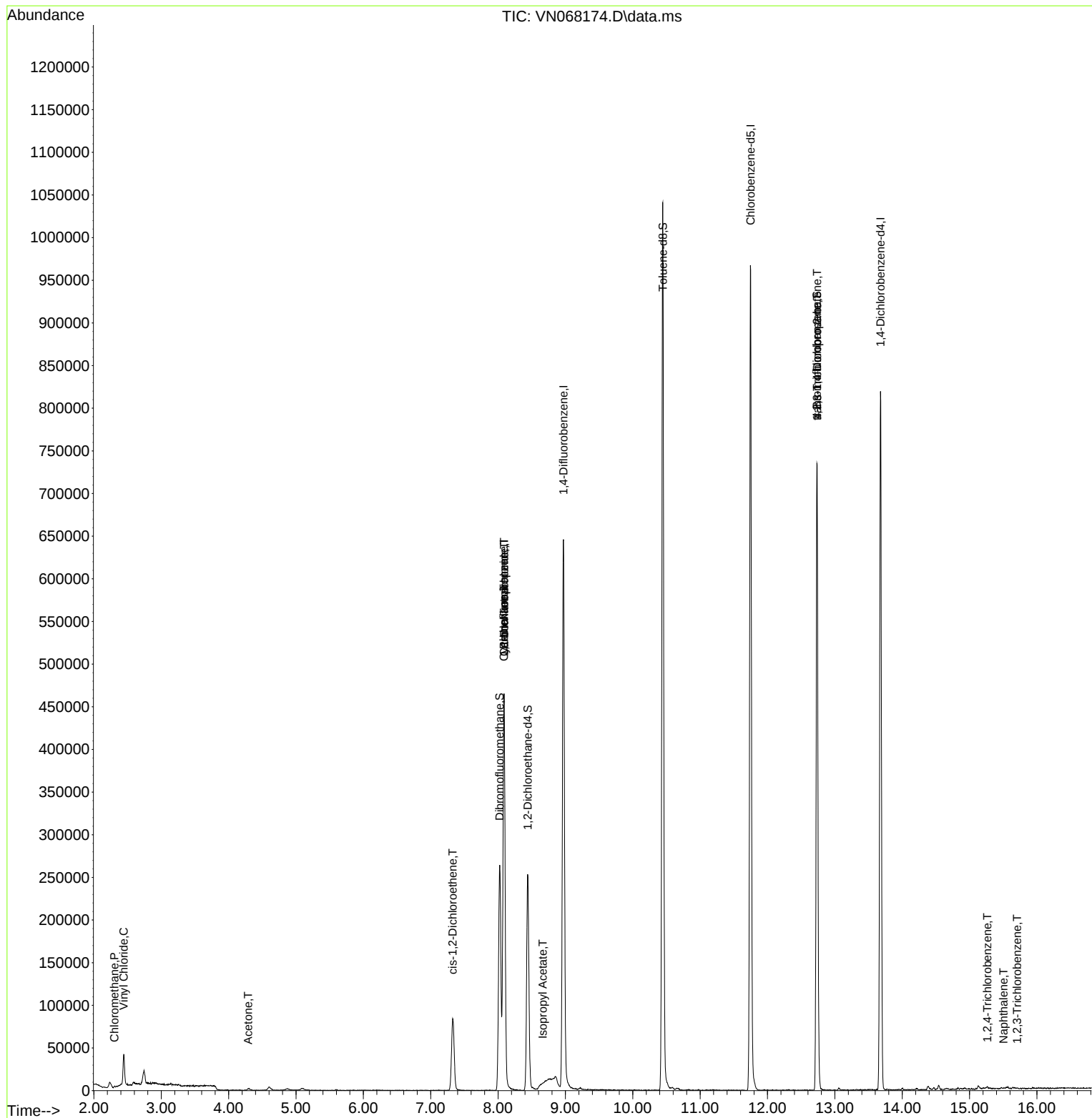
| Compound                      | R.T. QIon |                | Response | Conc       | Units | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|-------|----------|
| -----                         |           |                |          |            |       |          |
| Internal Standards            |           |                |          |            |       |          |
| 1) Pentafluorobenzene         | 8.088     | 168            | 378633   | 50.000     | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.971     | 114            | 628373   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.749    | 117            | 625540   | 50.000     | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.678    | 152            | 244635   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds   |           |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.440     | 65             | 213806   | 52.886     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 61 - 141 | Recovery | = 105.780% |       |          |
| 35) Dibromofluoromethane      | 8.024     | 113            | 196150   | 49.720     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 69 - 133 | Recovery | = 99.440%  |       |          |
| 50) Toluene-d8                | 10.446    | 98             | 765935   | 50.953     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 65 - 126 | Recovery | = 101.900% |       |          |
| 62) 4-Bromofluorobenzene      | 12.734    | 95             | 252339   | 50.426     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 58 - 135 | Recovery | = 100.860% |       |          |
| Target Compounds              |           |                |          |            |       |          |
|                               |           |                |          |            |       | Qvalue   |
| 3) Chloromethane              | 2.303     | 50             | 1062     | 0.313      | ug/l  | 99       |
| 4) Vinyl Chloride             | 2.443     | 62             | 33833    | 6.370      | ug/l  | 97       |
| 5) Bromomethane               | 2.842     | 94             | 160      | Below Cal  | #     | 4        |
| 6) Chloroethane               | 3.062     | 64             | 26       | Below Cal  | #     | 44       |
| 13) Acrolein                  | 4.036     | 56             | 24       | Below Cal  | #     | 14       |
| 16) Acetone                   | 4.291     | 43             | 1655     | 1.402      | ug/l  | 96       |
| 18) Methyl Acetate            | 4.862     | 43             | 3852     | Below Cal  | #     | 73       |
| 20) Methylene Chloride        | 5.085     | 84             | 908      | Below Cal  | #     | 68       |
| 27) cis-1,2-Dichloroethene    | 7.327     | 96             | 56206    | 13.660     | ug/l  | 69       |
| 31) Cyclohexane               | 8.086     | 56             | 6637     | 1.246      | ug/l  | # 1      |
| 36) 1,1-Dichloropropene       | 8.091     | 75             | 25879    | 5.038      | ug/l  | # 53     |
| 38) Carbon Tetrachloride      | 8.091     | 117            | 35523    | 5.996      | ug/l  | # 17     |
| 43) Isopropyl Acetate         | 8.662     | 43             | 8409     | 1.200      | ug/l  | # 58     |
| 76) 1,2,3-Trichloropropane    | 12.736    | 75             | 125980   | 30.983     | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.736    | 75             | 125980   | 101.506    | ug/l  | # 6      |
| 93) 1,2,4-Trichlorobenzene    | 15.265    | 180            | 250      | 2.743      | ug/l  | # 1      |
| 95) Naphthalene               | 15.504    | 128            | 1227     | 3.464      | ug/l  | # 78     |
| 96) 1,2,3-Trichlorobenzene    | 15.705    | 180            | 334      | 2.913      | ug/l  | # 1      |
| -----                         |           |                |          |            |       |          |

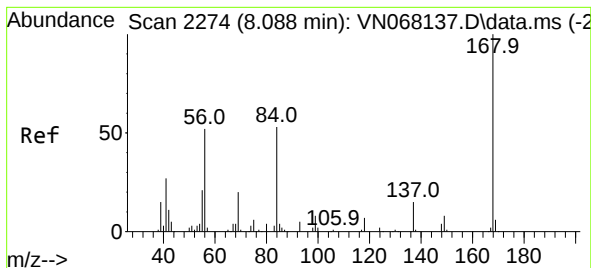
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068174.D

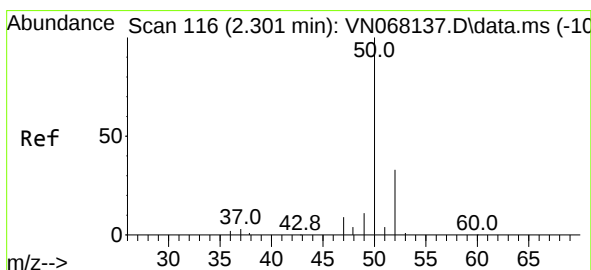
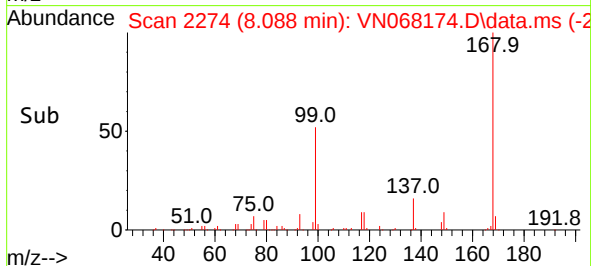
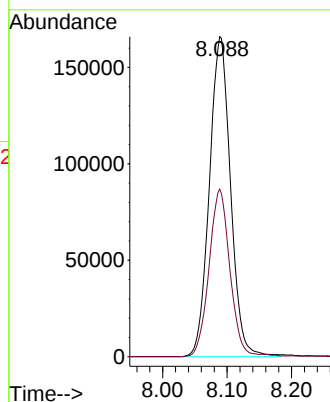
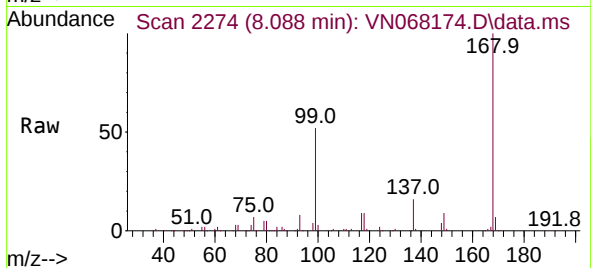
Acq: 18 Aug 2021 5:09

Tgt Ion:168 Resp: 378633

Ion Ratio Lower Upper

168 100

99 52.3 62.9 94.3#



#3

Chloromethane

Concen: 0.313 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.002 min

Lab File: VN068174.D

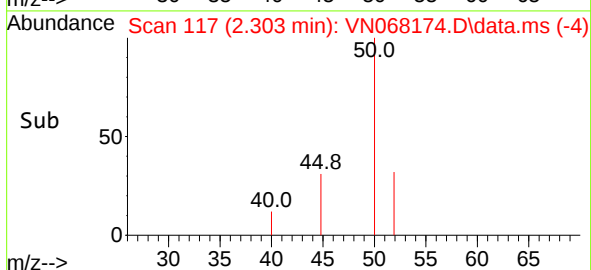
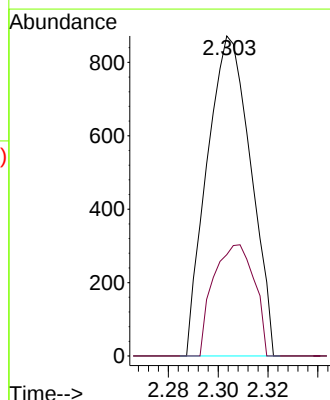
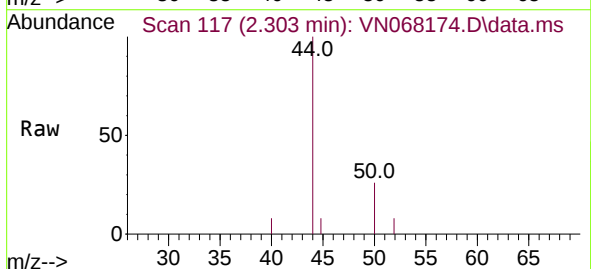
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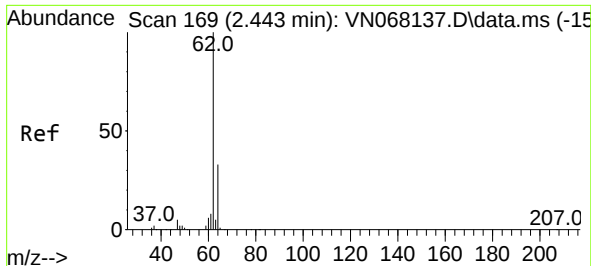
Tgt Ion: 50 Resp: 1062

Ion Ratio Lower Upper

50 100

52 31.7 25.6 38.4

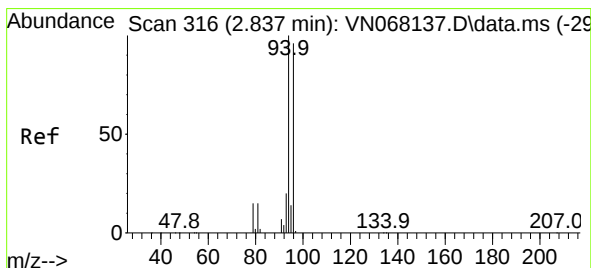
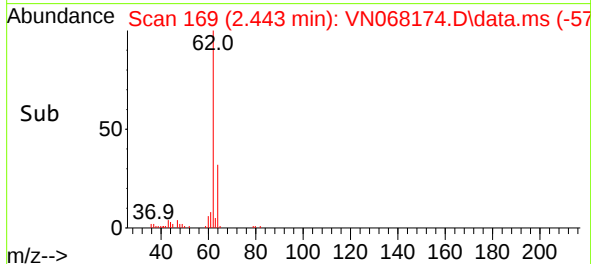
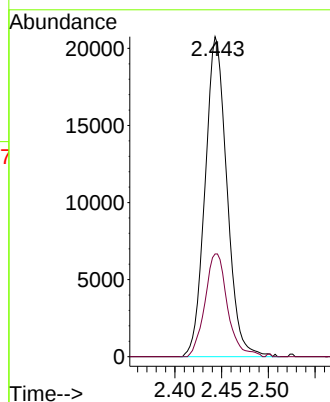
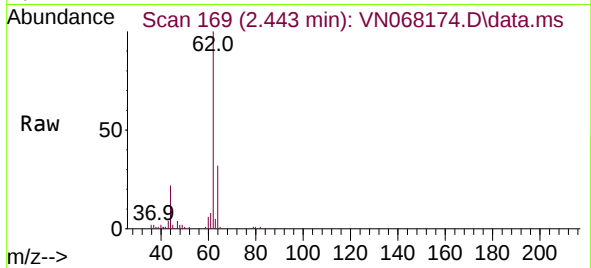




#4  
 Vinyl Chloride  
 Concen: 6.370 ug/l  
 RT: 2.443 min Scan# 169  
 Delta R.T. -0.000 min  
 Lab File: VN068174.D  
 Acq: 18 Aug 2021 5:09

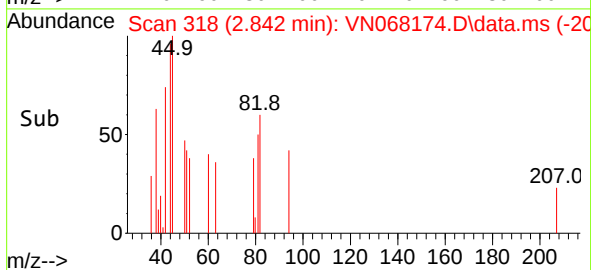
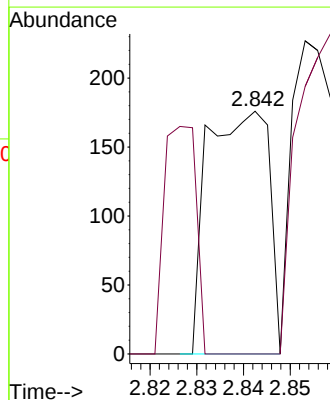
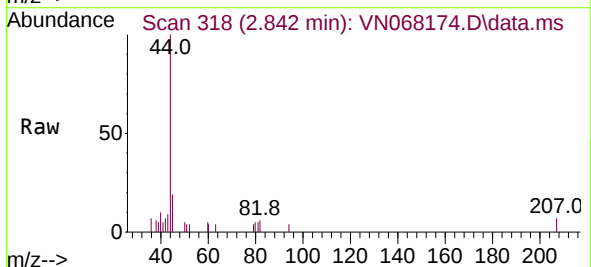
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-5

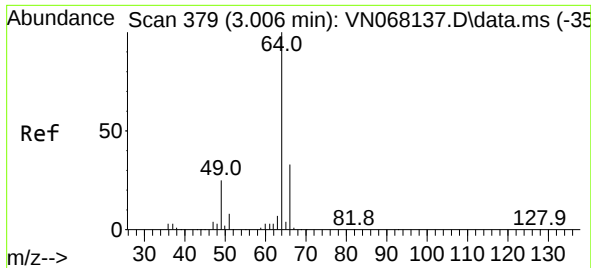
Tgt Ion: 62 Resp: 33833  
 Ion Ratio Lower Upper  
 62 100  
 64 32.1 24.4 36.6



#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 2.842 min Scan# 318  
 Delta R.T. 0.005 min  
 Lab File: VN068174.D  
 Acq: 18 Aug 2021 5:09

Tgt Ion: 94 Resp: 160  
 Ion Ratio Lower Upper  
 94 100  
 96 0.0 73.7 110.5#

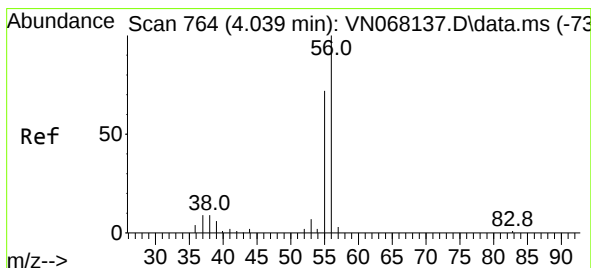
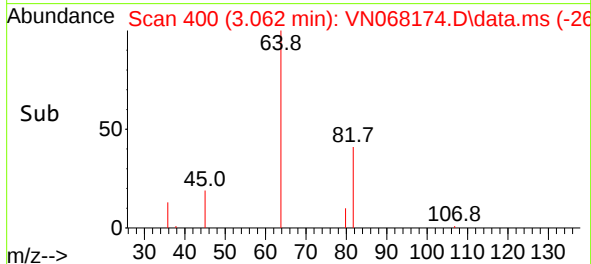
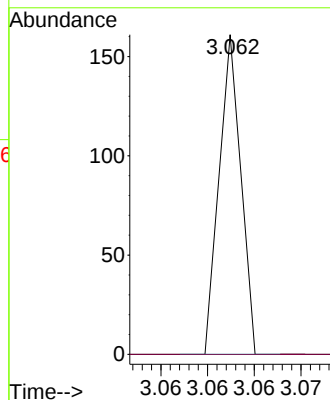
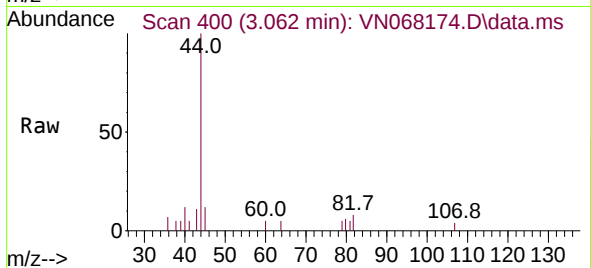




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.062 min Scan# 400  
Delta R.T. 0.056 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

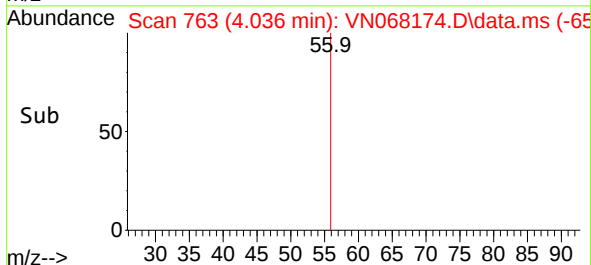
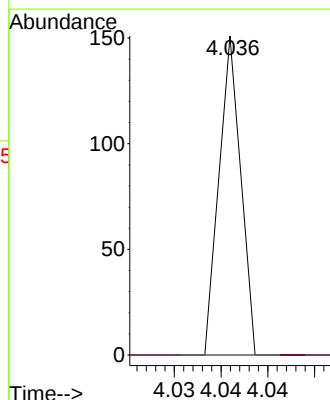
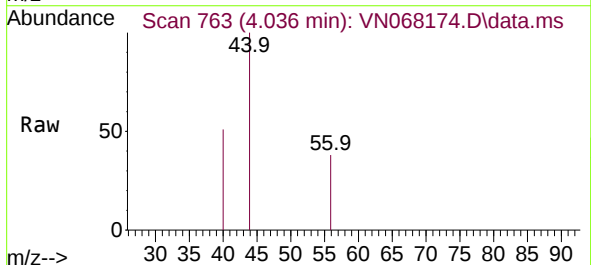
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

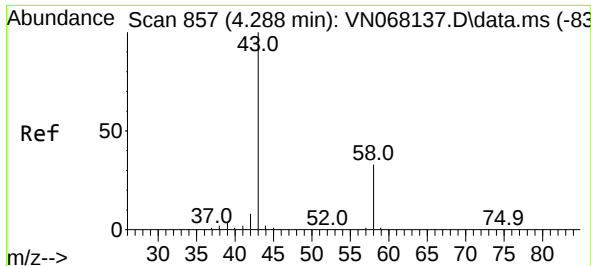
Tgt Ion: 64 Resp: 26  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.7 37.1#



#13  
Acrolein  
Concen: Below Cal  
RT: 4.036 min Scan# 763  
Delta R.T. -0.003 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Tgt Ion: 56 Resp: 24  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.4 86.0#

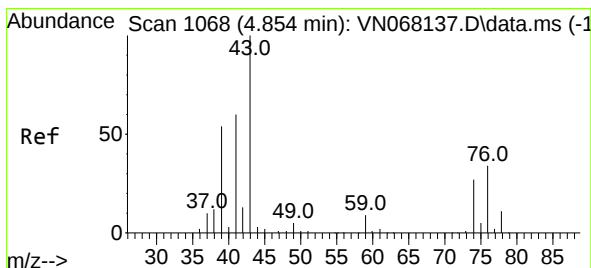
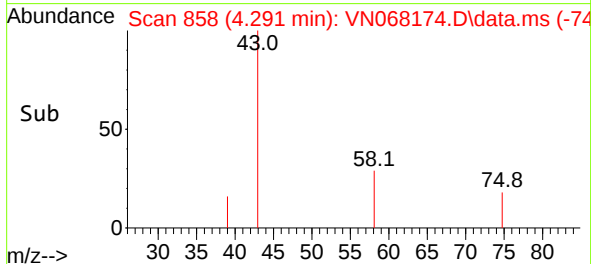
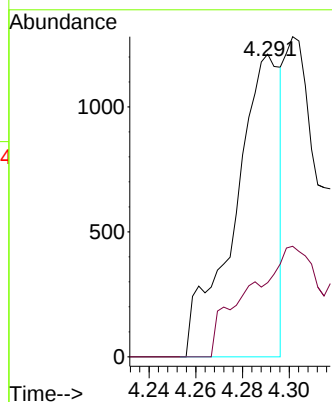
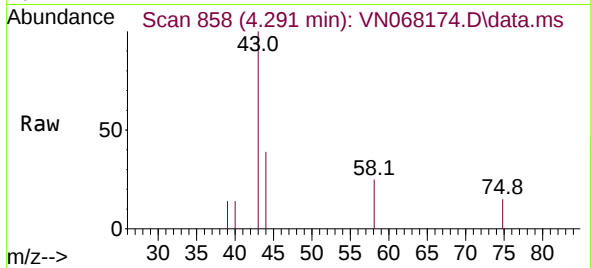




#16  
Acetone  
Concen: 1.402 ug/l  
RT: 4.291 min Scan# 858  
Delta R.T. 0.003 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

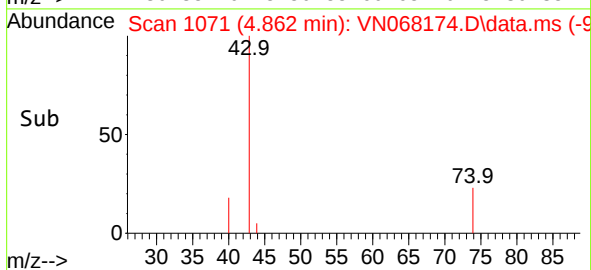
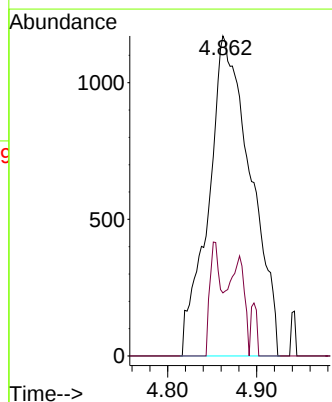
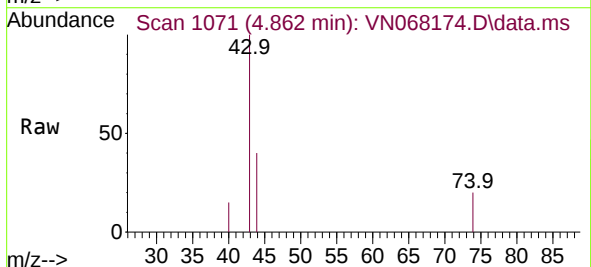
Instrument :  
MSVOA\_N  
ClientSampled :  
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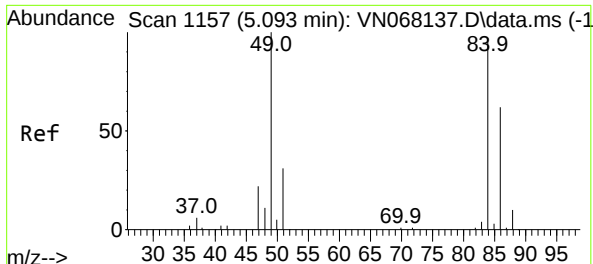
Tgt Ion: 43 Resp: 1655  
Ion Ratio Lower Upper  
43 100  
58 24.5 21.2 31.8



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.862 min Scan# 1071  
Delta R.T. 0.008 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Tgt Ion: 43 Resp: 3852  
Ion Ratio Lower Upper  
43 100  
74 8.9 17.4 26.0#

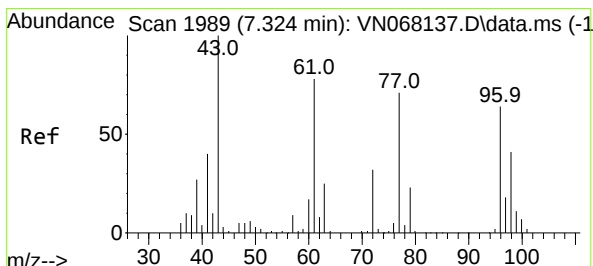
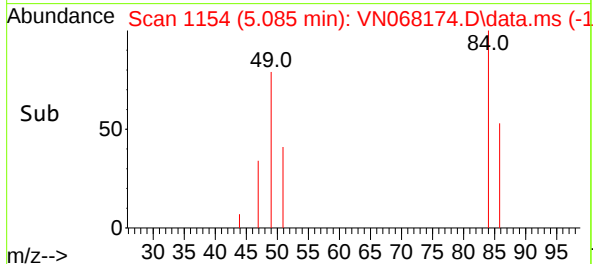
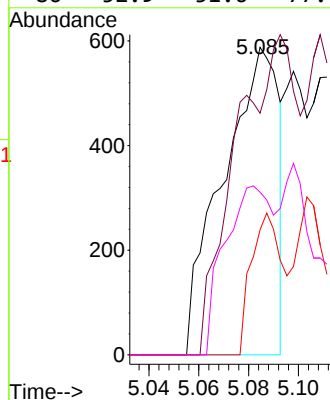
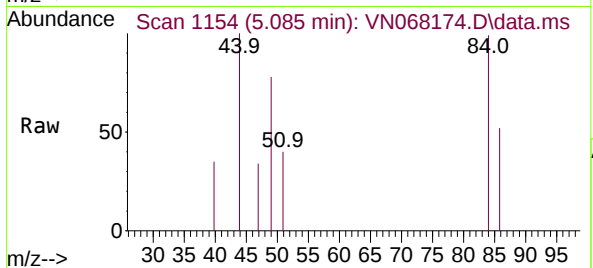




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.085 min Scan# 1154  
Delta R.T. -0.008 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

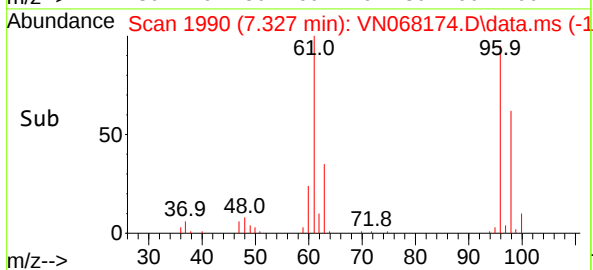
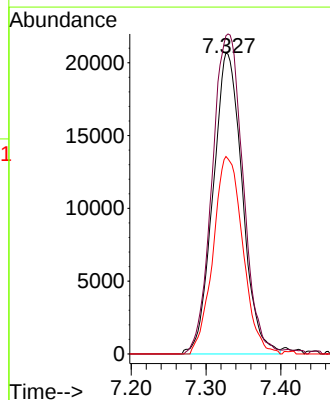
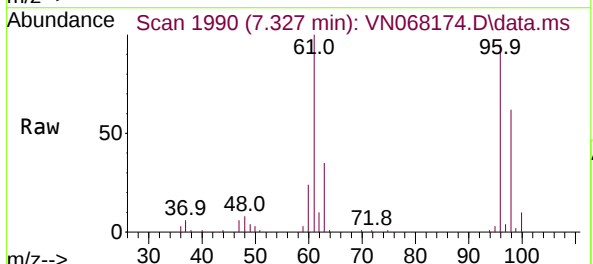
Instrument :  
MSVOA\_N  
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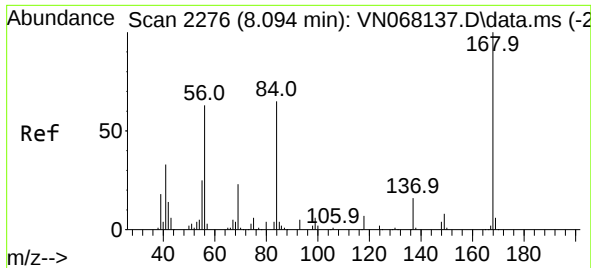
Tgt Ion: 84 Resp: 908  
Ion Ratio Lower Upper  
84 100  
49 78.6 110.9 166.3#  
51 40.6 32.6 49.0  
86 52.9 51.6 77.4



#27  
cis-1,2-Dichloroethene  
Concen: 13.660 ug/l  
RT: 7.327 min Scan# 1990  
Delta R.T. 0.003 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Tgt Ion: 96 Resp: 56206  
Ion Ratio Lower Upper  
96 100  
61 112.1 0.0 338.8  
98 66.3 0.0 129.8

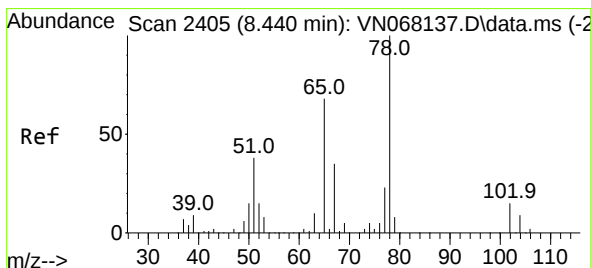
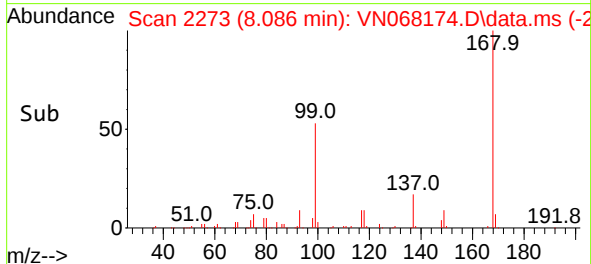
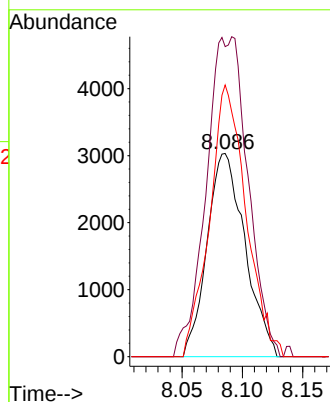
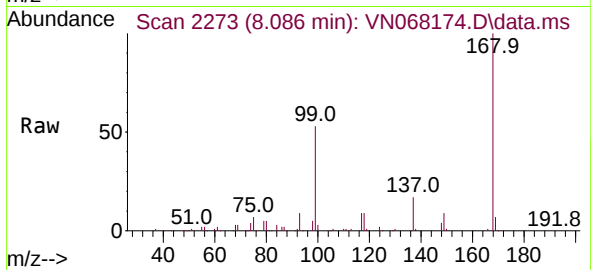




#31  
Cyclohexane  
Concen: 1.246 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.008 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

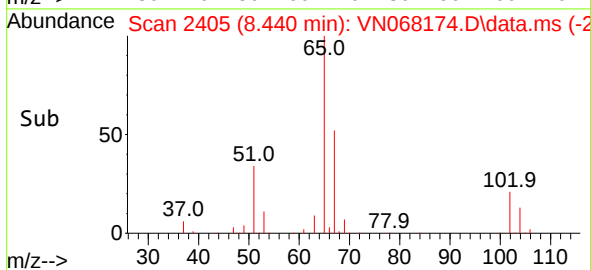
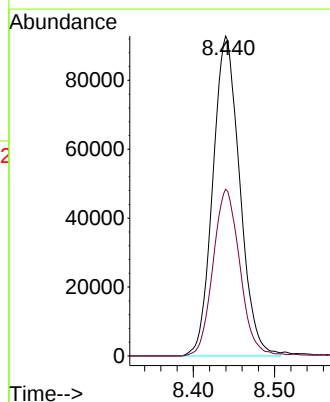
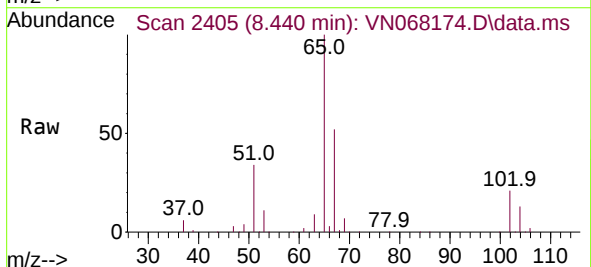
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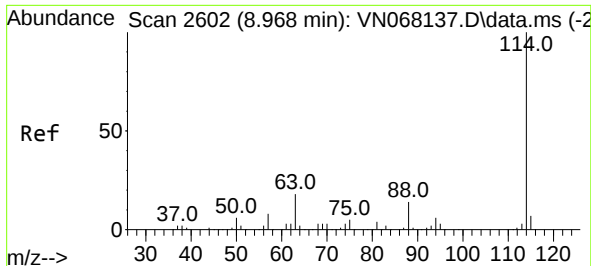
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Ion Ratio Lower Upper  
56 100  
69 152.6 27.3 40.9#  
84 133.7 64.9 97.3#



#33  
1,2-Dichloroethane-d4  
Concen: 52.886 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Tgt Ion: 65 Resp: 213806  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 98.6

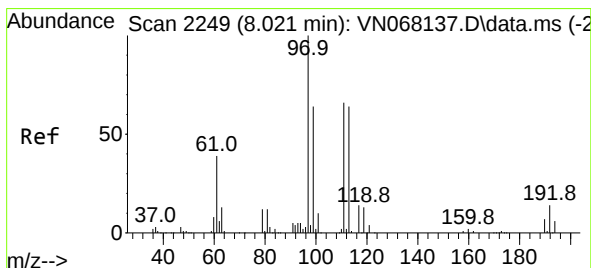
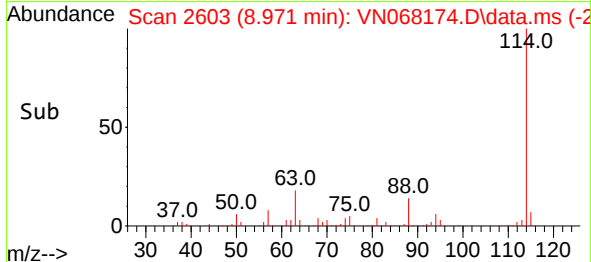
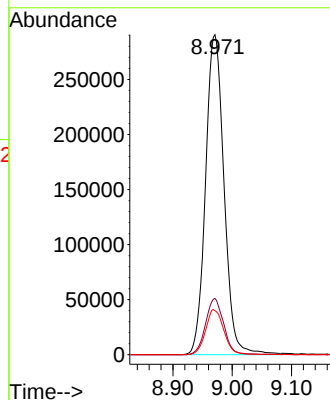
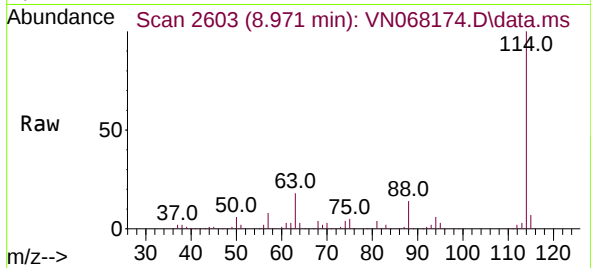




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

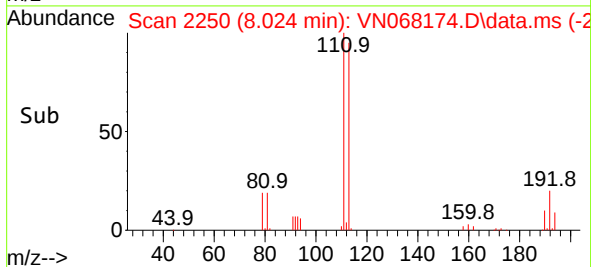
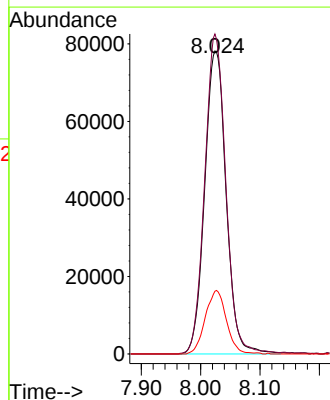
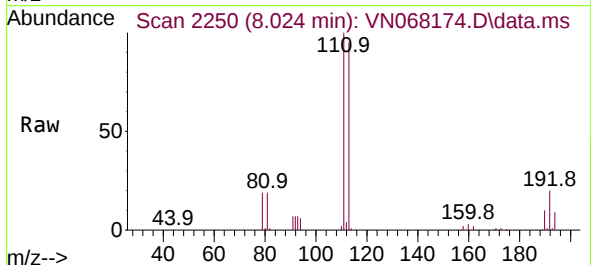
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

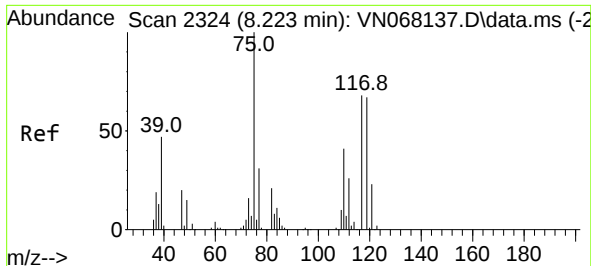
Tgt Ion:114 Resp: 628373  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 49.0  
88 13.8 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 49.720 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Tgt Ion:113 Resp: 196150  
Ion Ratio Lower Upper  
113 100  
111 103.4 83.8 125.8  
192 20.6 13.4 20.0#

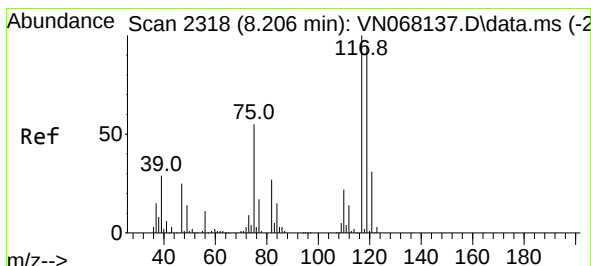
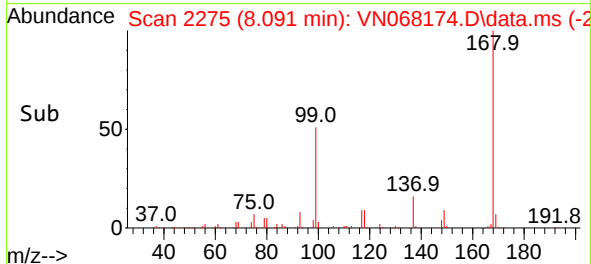
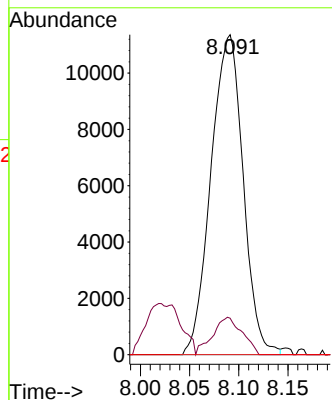
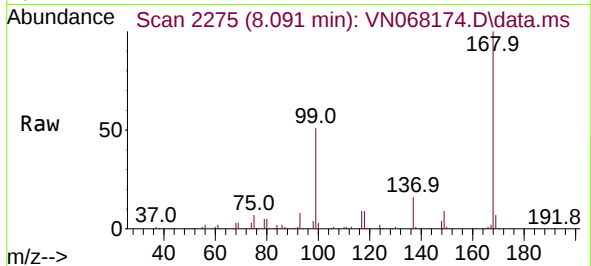




#36  
1,1-Dichloropropene  
Concen: 5.038 ug/l  
RT: 8.091 min Scan# 2275  
Delta R.T. -0.132 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

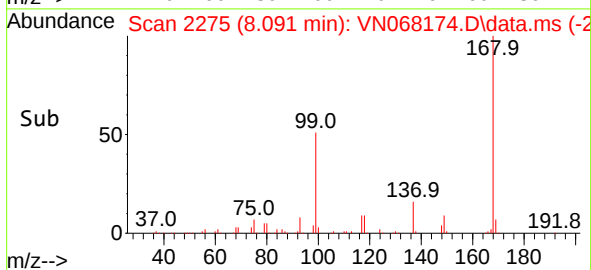
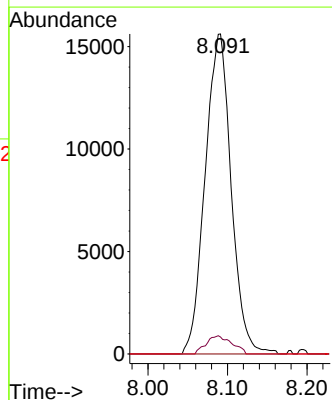
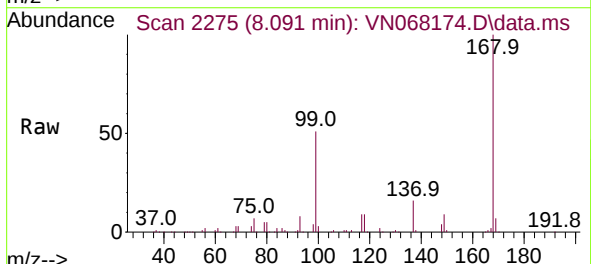
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

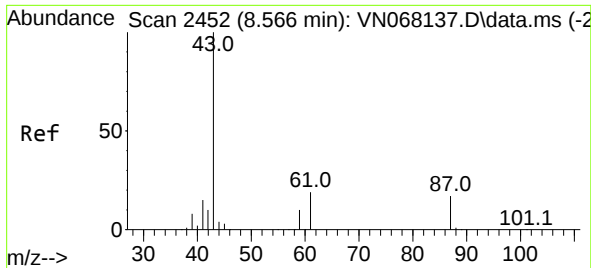
Tgt Ion: 75 Resp: 25879  
Ion Ratio Lower Upper  
75 100  
110 10.7 15.7 47.0#  
77 0.0 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.996 ug/l  
RT: 8.091 min Scan# 2275  
Delta R.T. -0.115 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Tgt Ion: 117 Resp: 35523  
Ion Ratio Lower Upper  
117 100  
119 5.3 75.4 113.2#  
121 0.0 23.5 35.3#

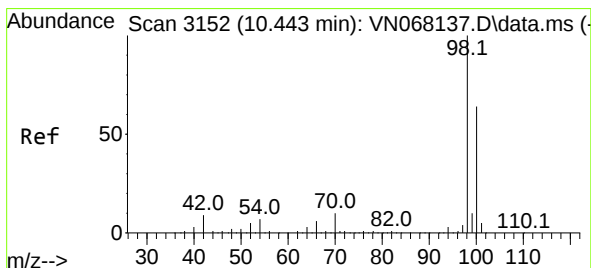
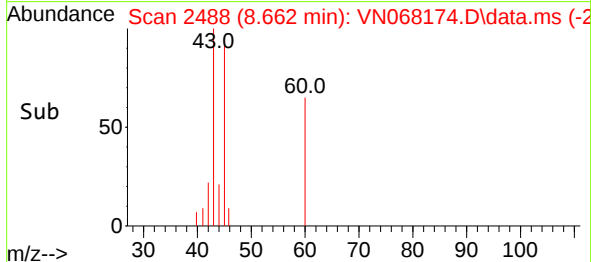
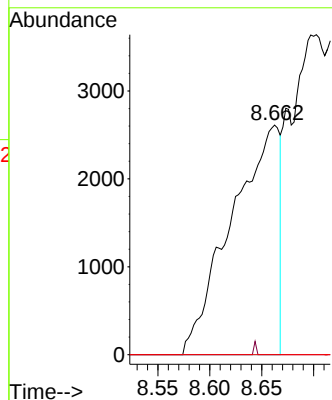
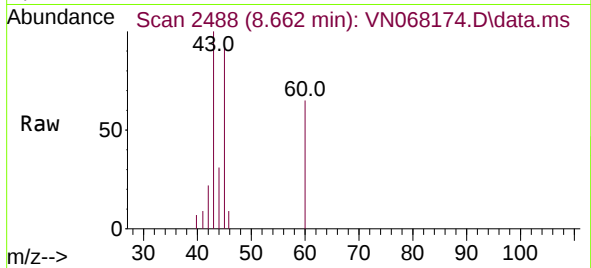




#43  
Isopropyl Acetate  
Concen: 1.200 ug/l  
RT: 8.662 min Scan# 2488  
Delta R.T. 0.096 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

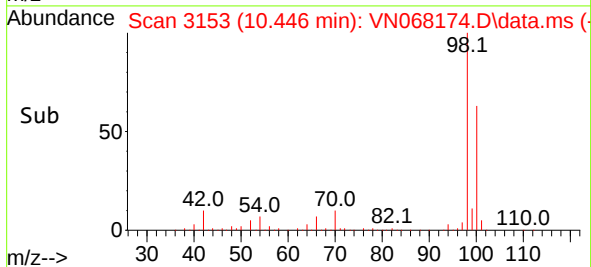
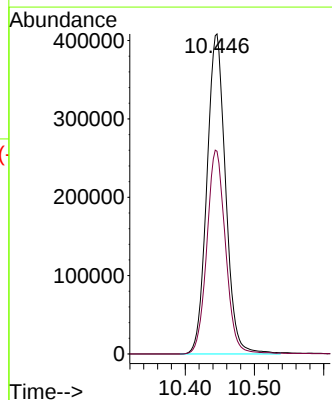
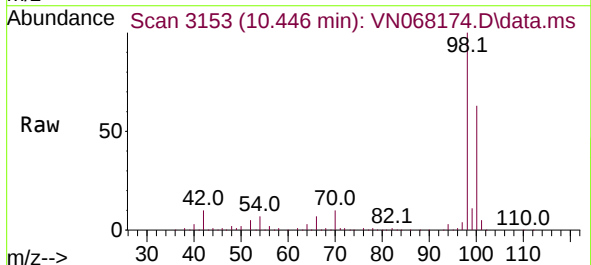
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

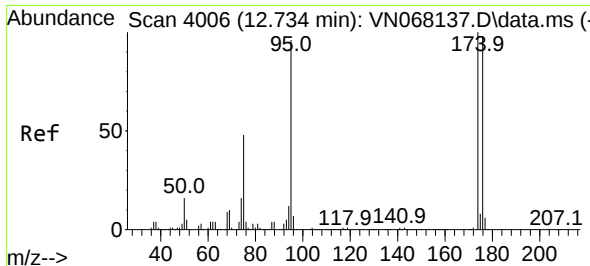
Tgt Ion: 43 Resp: 8409  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.0 28.4#  
87 0.0 9.5 14.3#



#50  
Toluene-d8  
Concen: 50.953 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Tgt Ion: 98 Resp: 765935  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.7 77.5

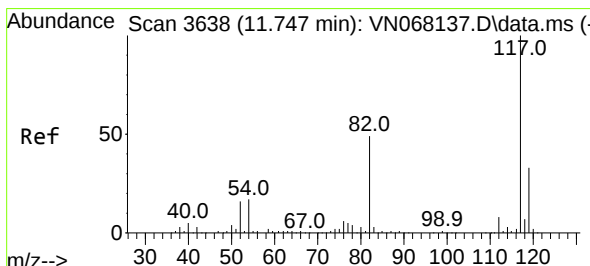
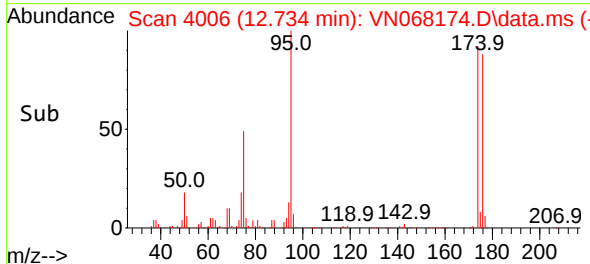
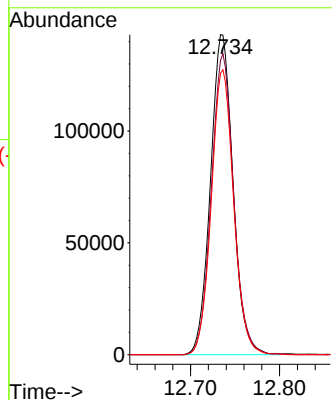
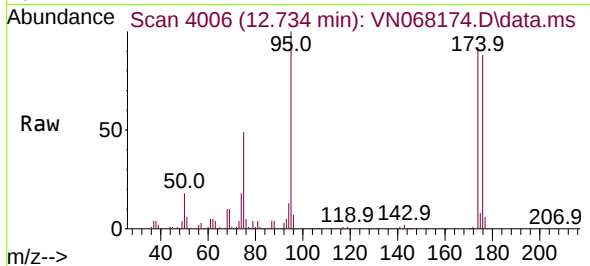




#62  
4-Bromofluorobenzene  
Concen: 50.426 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

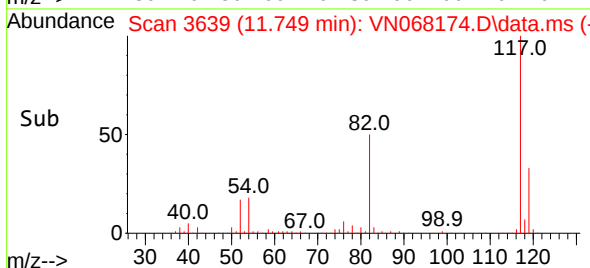
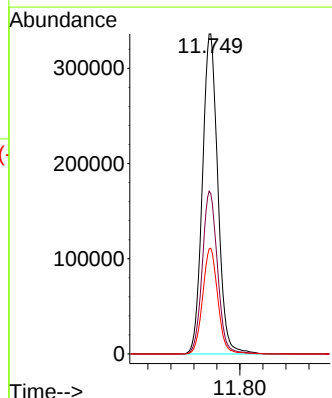
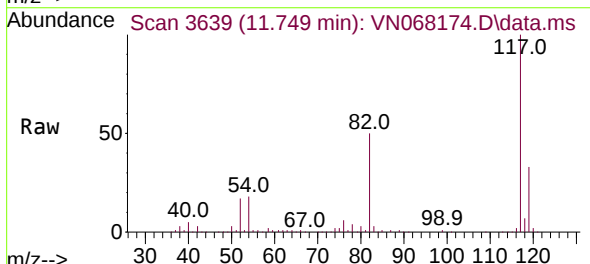
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

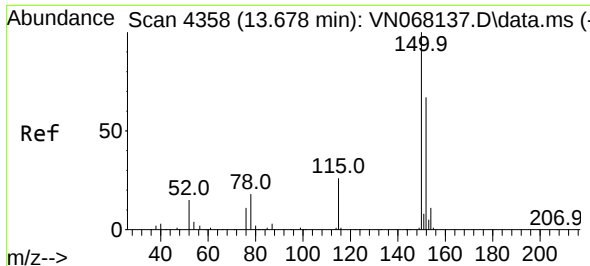
Tgt Ion: 95 Resp: 252339  
Ion Ratio Lower Upper  
95 100  
174 93.1 0.0 122.0  
176 88.2 0.0 117.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.749 min Scan# 3639  
Delta R.T. 0.002 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Tgt Ion: 117 Resp: 625540  
Ion Ratio Lower Upper  
117 100  
82 50.1 53.1 79.7#  
119 33.1 25.5 38.3

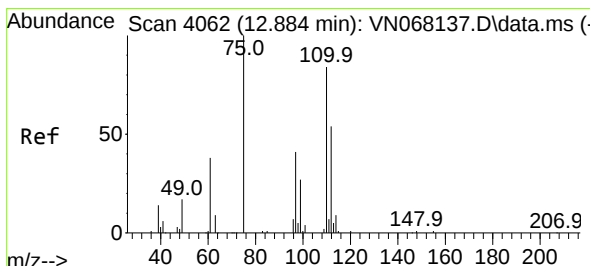
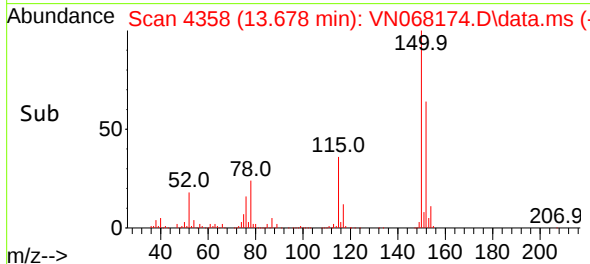
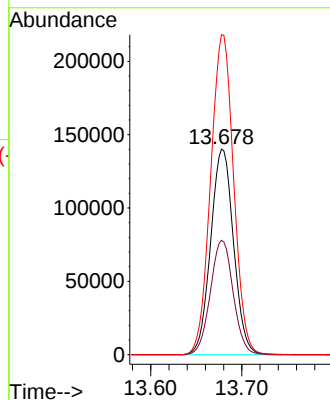
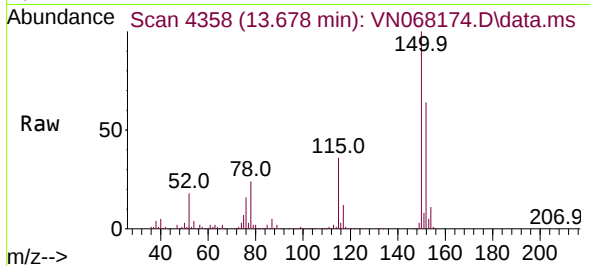




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. -0.000 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

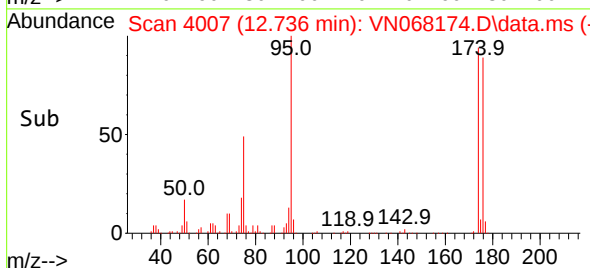
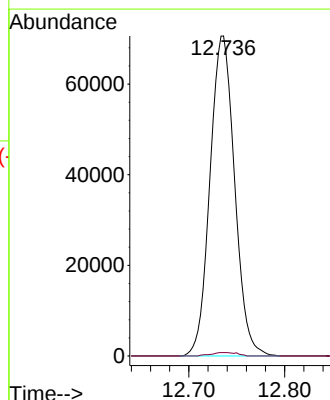
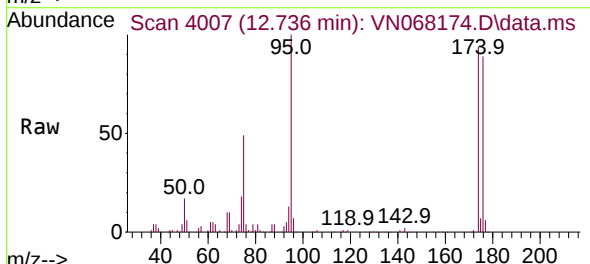
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

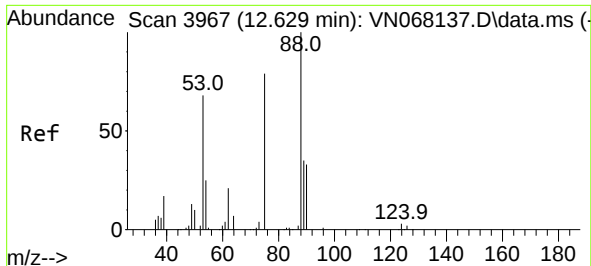
Tgt Ion:152 Resp: 244635  
Ion Ratio Lower Upper  
152 100  
115 55.3 36.1 108.5  
150 156.4 0.0 351.8



#76  
1,2,3-Trichloropropane  
Concen: 30.983 ug/l  
RT: 12.736 min Scan# 4007  
Delta R.T. -0.148 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Tgt Ion: 75 Resp: 125980  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#

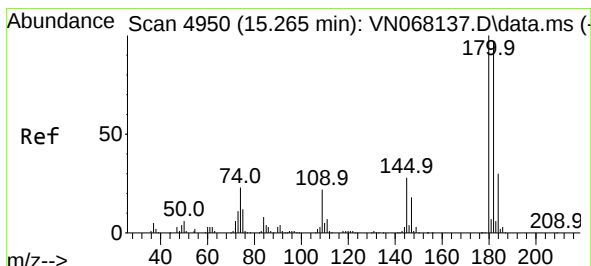
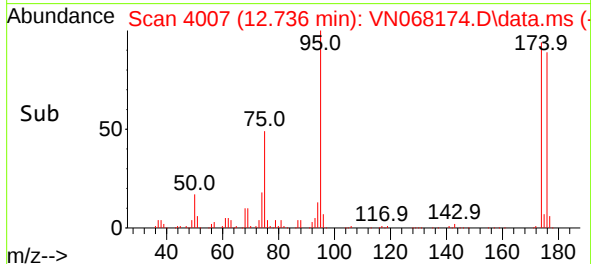
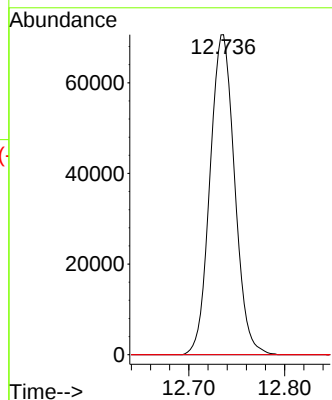
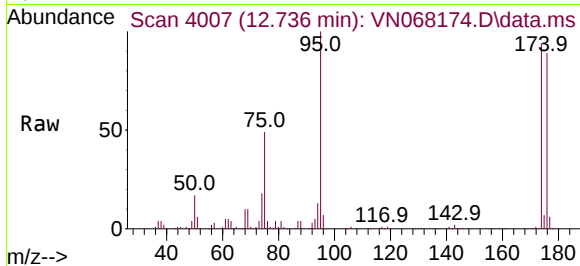




#81  
trans-1,4-Dichloro-2-butene  
Concen: 101.506 ug/l  
RT: 12.736 min Scan# 4007  
Delta R.T. 0.107 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

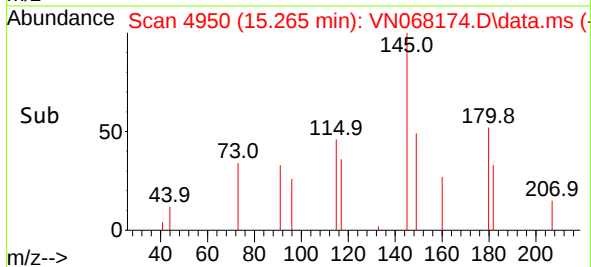
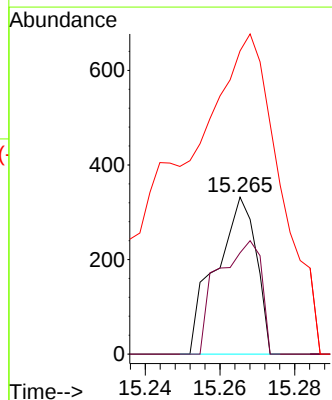
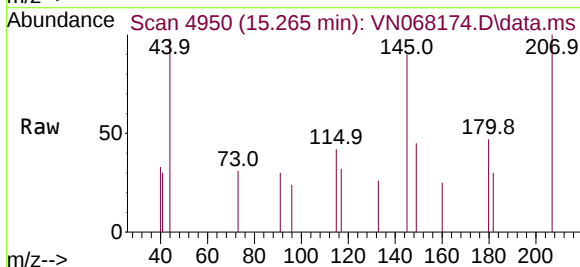
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

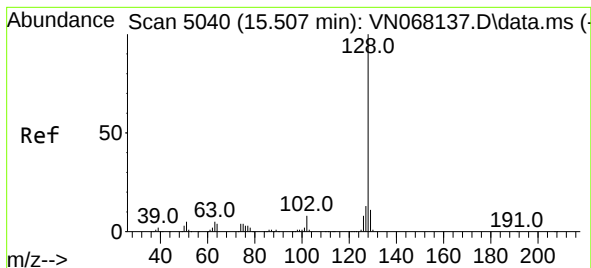
Tgt Ion: 75 Resp: 125980  
Ion Ratio Lower Upper  
75 100  
53 0.0 87.6 131.4#  
89 0.0 37.8 56.8#



#93  
1,2,4-Trichlorobenzene  
Concen: 2.743 ug/l  
RT: 15.265 min Scan# 4950  
Delta R.T. 0.000 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Tgt Ion:180 Resp: 250  
Ion Ratio Lower Upper  
180 100  
182 77.2 47.5 142.5  
145 495.6 17.2 51.6#

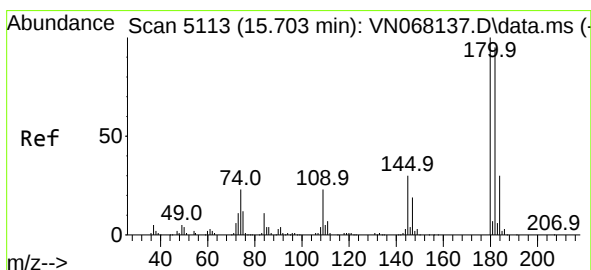
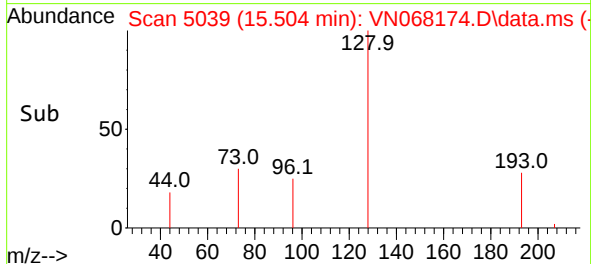
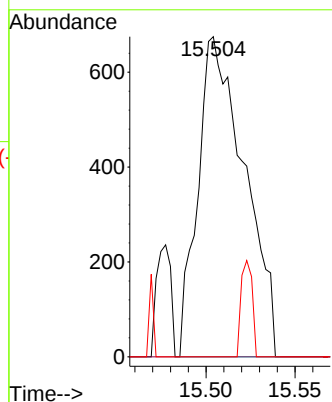
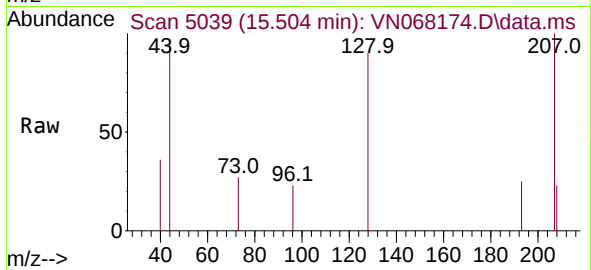




#95  
Naphthalene  
Concen: 3.464 ug/l  
RT: 15.504 min Scan# 5039  
Delta R.T. -0.003 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-5

Tgt Ion:128 Resp: 1227  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 15.8#  
129 7.2 8.6 12.8#



#96  
1,2,3-Trichlorobenzene  
Concen: 2.913 ug/l  
RT: 15.705 min Scan# 5114  
Delta R.T. 0.002 min  
Lab File: VN068174.D  
Acq: 18 Aug 2021 5:09

Tgt Ion:180 Resp: 334  
Ion Ratio Lower Upper  
180 100  
182 35.9 47.8 143.3#  
145 176.9 18.2 54.6#

