

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062022\  
 Data File : VN072967.D  
 Acq On : 20 Jun 2022 17:30  
 Operator : JC\MD  
 Sample : N3370-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TOLL-MW-08

Quant Time: Jun 21 05:56:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061722W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 18 06:22:45 2022  
 Response via : Initial Calibration

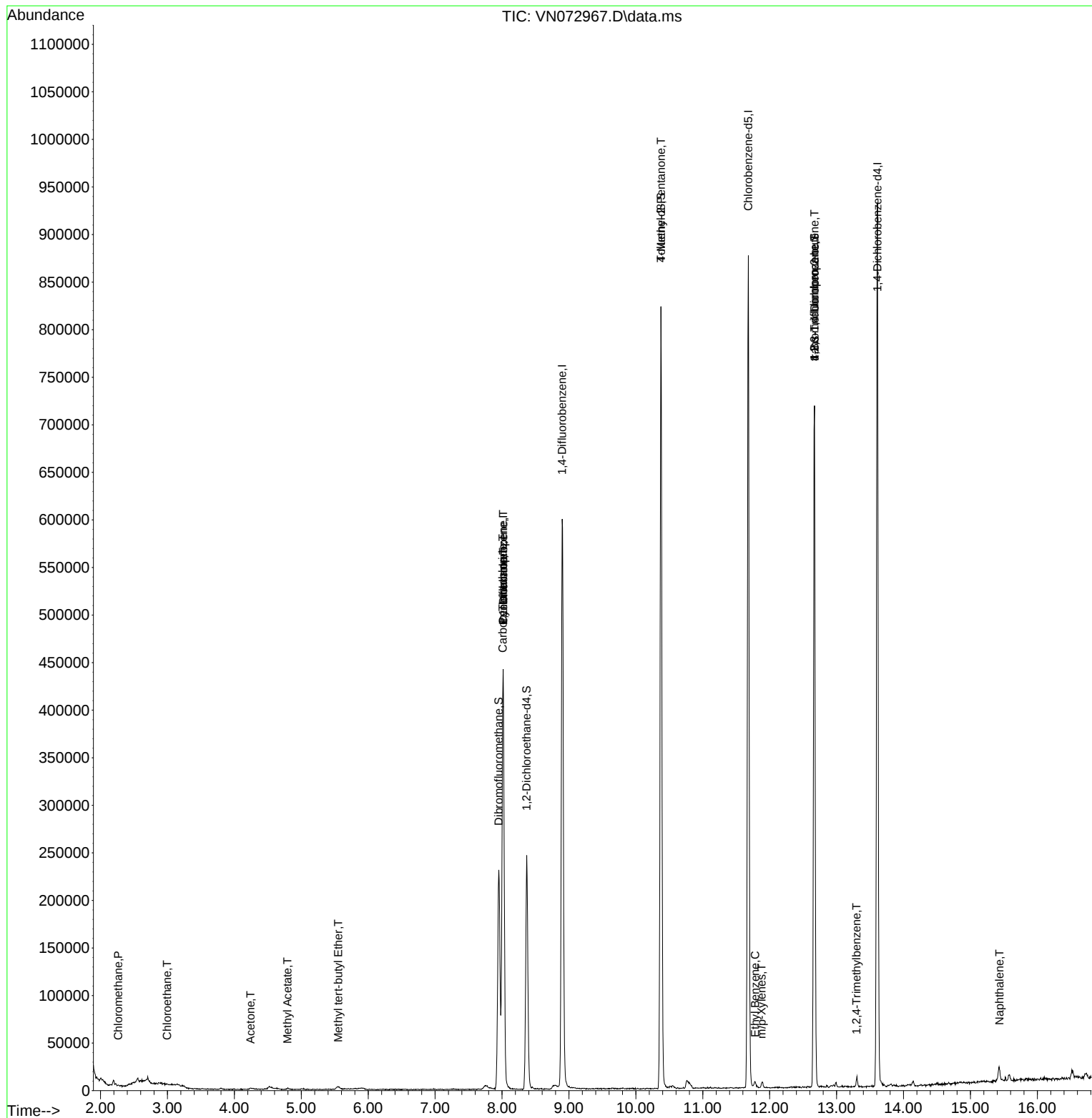
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.016  | 168   | 339442   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.899  | 114   | 544429   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.681 | 117   | 497045   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.610 | 152   | 252691   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.369  | 65    | 203477   | 44.339    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 88.680%  |
| 35) Dibromofluoromethane      | 7.952  | 113   | 171872   | 51.075    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 102.160% |
| 50) Toluene-d8                | 10.375 | 98    | 559487   | 44.682    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 89.360%  |
| 62) 4-Bromofluorobenzene      | 12.669 | 95    | 252402   | 56.058    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 112.120% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.264  | 50    | 542      | 0.724     | ug/l # | 43       |
| 6) Chloroethane               | 2.993  | 64    | 554      | 0.306     | ug/l # | 42       |
| 16) Acetone                   | 4.240  | 43    | 3157     | 1.251     | ug/l # | 73       |
| 18) Methyl Acetate            | 4.793  | 43    | 2285     | 0.340     | ug/l # | 64       |
| 19) Methyl tert-butyl Ether   | 5.552  | 73    | 4739     | 0.388     | ug/l   | 99       |
| 20) Methylene Chloride        | 5.005  | 84    | 387      | Below Cal | #      | 10       |
| 31) Cyclohexane               | 8.016  | 56    | 7591     | 1.223     | ug/l # | 19       |
| 36) 1,1-Dichloropropene       | 8.016  | 75    | 26622    | 5.847     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.010  | 117   | 34857    | 7.278     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.375 | 43    | 3127     | 0.461     | ug/l # | 1        |
| 67) Ethyl Benzene             | 11.781 | 91    | 4772     | 0.279     | ug/l   | 91       |
| 68) m/p-Xylenes               | 11.881 | 106   | 2277     | 0.340     | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.669 | 75    | 129120   | 21.076    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.669 | 75    | 129120   | 56.918    | ug/l # | 10       |
| 84) 1,2,4-Trimethylbenzene    | 13.298 | 105   | 5977     | 0.374     | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.480 | 75    | 55       | Below Cal | #      | 1        |
| 95) Naphthalene               | 15.433 | 128   | 14000    | 0.717     | ug/l   | 96       |
| -----                         |        |       |          |           |        |          |

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

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Sample : N3370-05  
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Instrument :  
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QLast Update : Sat Jun 18 06:22:45 2022  
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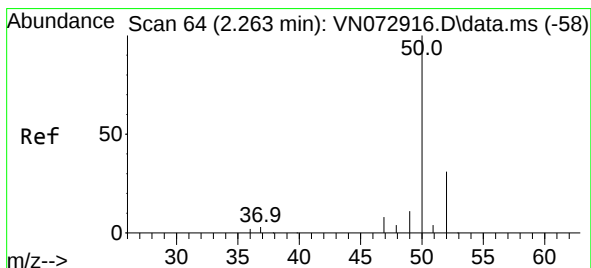
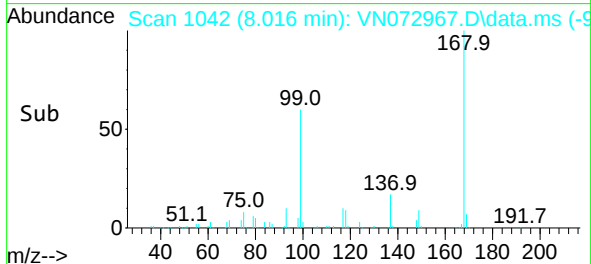
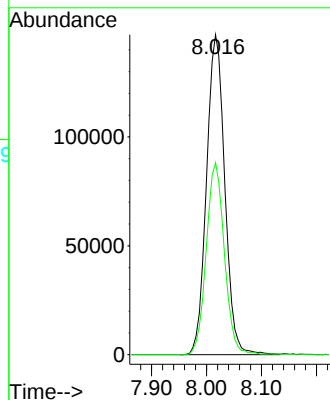
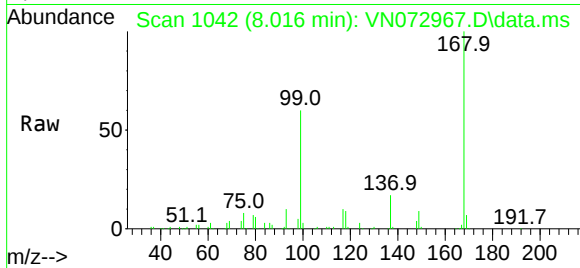




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. 0.000 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

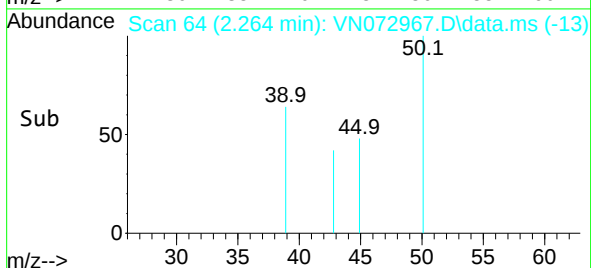
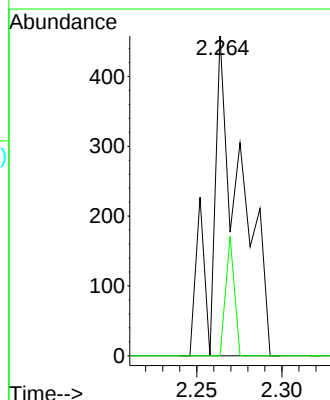
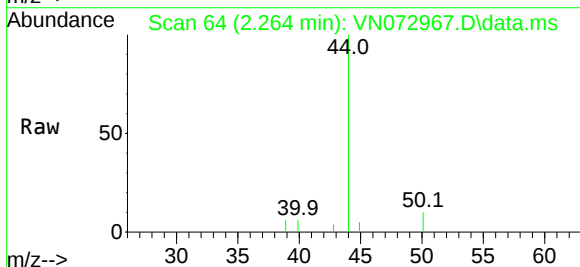
Instrument :  
MSVOA\_N  
ClientSampleId :  
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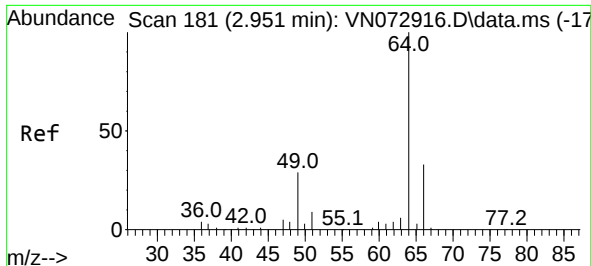
Tgt Ion:168 Resp: 339442  
Ion Ratio Lower Upper  
168 100  
99 60.0 42.3 63.5



#3  
Chloromethane  
Concen: 0.724 ug/l  
RT: 2.264 min Scan# 64  
Delta R.T. 0.001 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

Tgt Ion: 50 Resp: 542  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5#

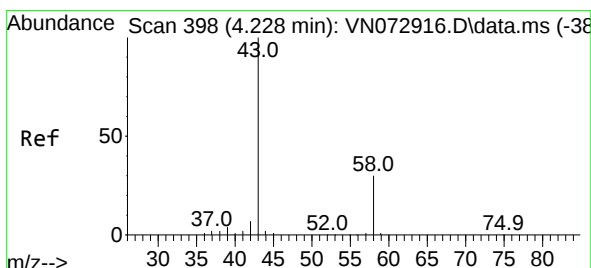
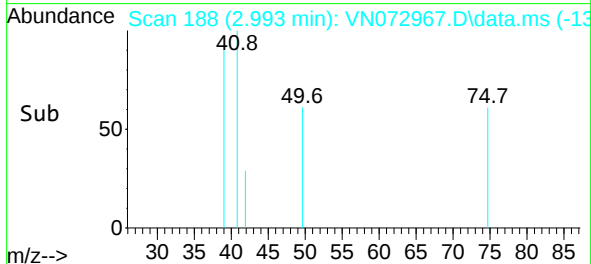
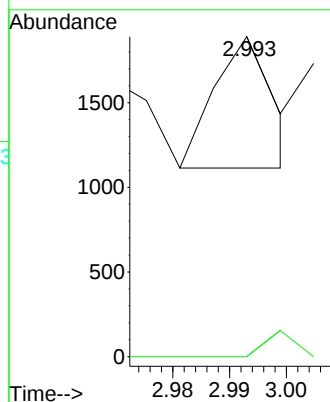
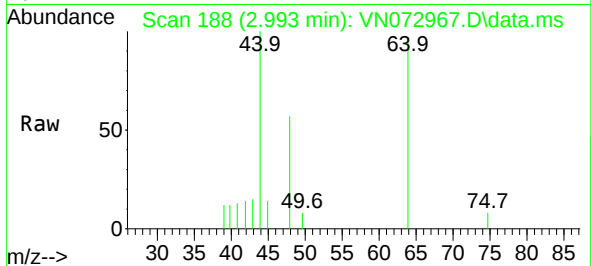




#6  
Chloroethane  
Concen: 0.306 ug/l  
RT: 2.993 min Scan# 11  
Delta R.T. 0.042 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

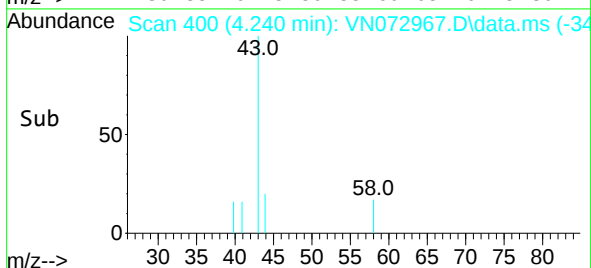
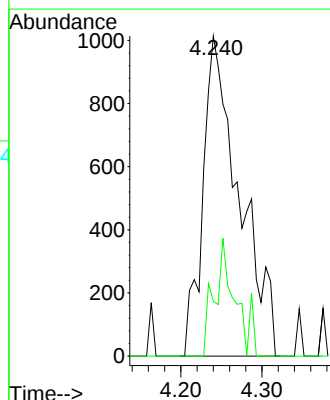
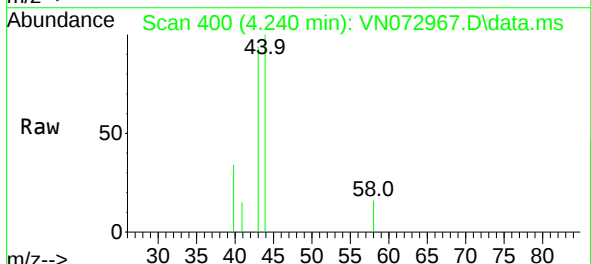
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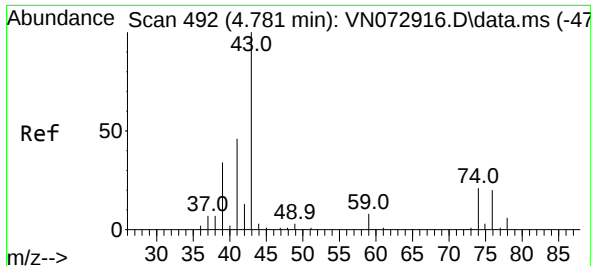
Tgt Ion: 64 Resp: 554  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#



#16  
Acetone  
Concen: 1.251 ug/l  
RT: 4.240 min Scan# 400  
Delta R.T. 0.012 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

Tgt Ion: 43 Resp: 3157  
Ion Ratio Lower Upper  
43 100  
58 17.2 26.0 39.0#

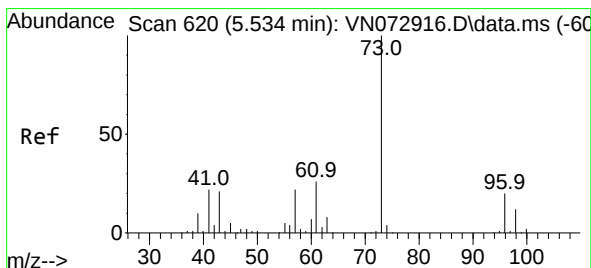
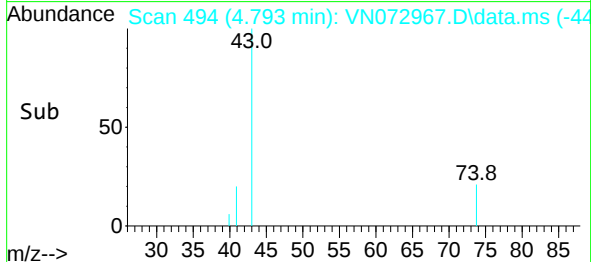
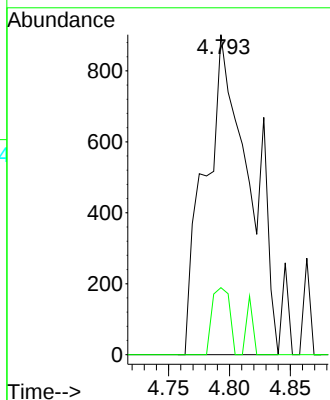
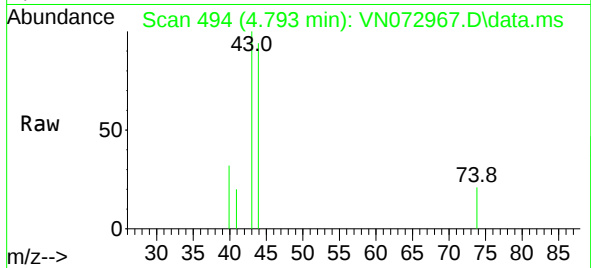




#18  
Methyl Acetate  
Concen: 0.340 ug/l  
RT: 4.793 min Scan# 491  
Delta R.T. 0.012 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

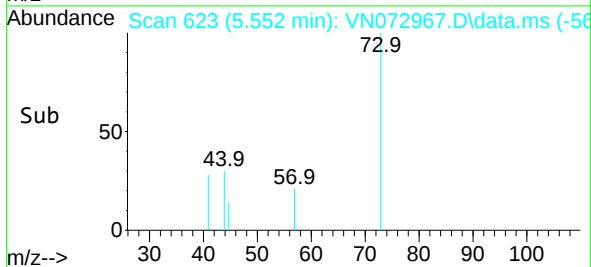
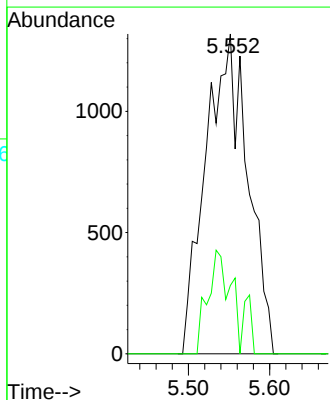
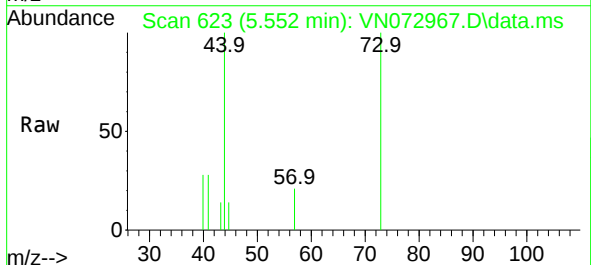
Instrument :  
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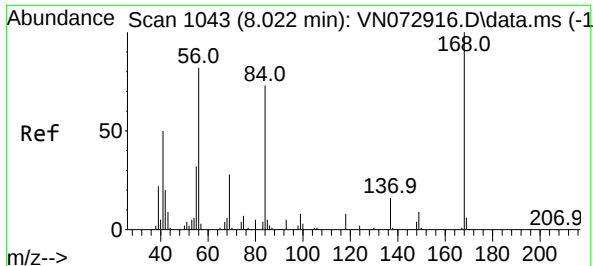
Tgt Ion: 43 Resp: 2285  
Ion Ratio Lower Upper  
43 100  
74 8.2 21.6 32.4#



#19  
Methyl tert-butyl Ether  
Concen: 0.388 ug/l  
RT: 5.552 min Scan# 623  
Delta R.T. 0.018 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

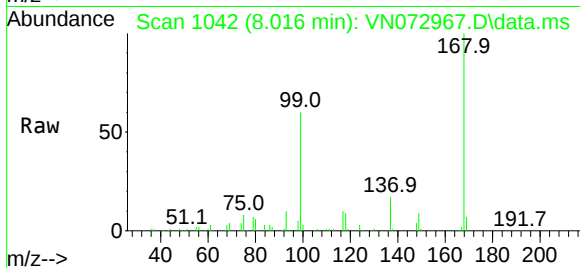
Tgt Ion: 73 Resp: 4739  
Ion Ratio Lower Upper  
73 100  
57 21.4 17.6 26.4



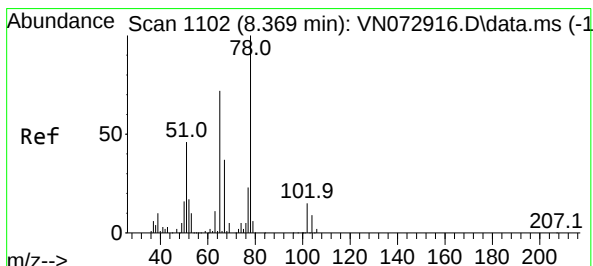
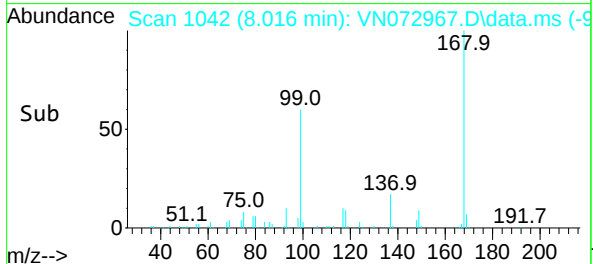
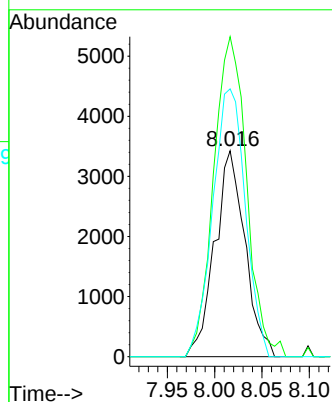


#31  
Cyclohexane  
Concen: 1.223 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.005 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

Instrument :  
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ClientSampleId :  
TOLL-MW-08

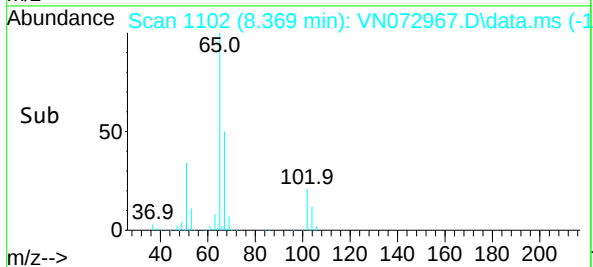
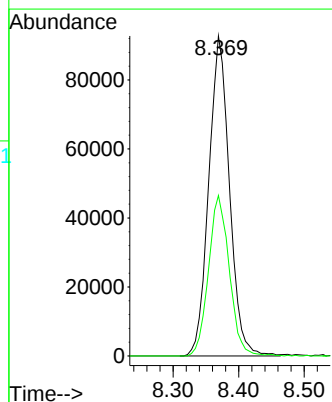
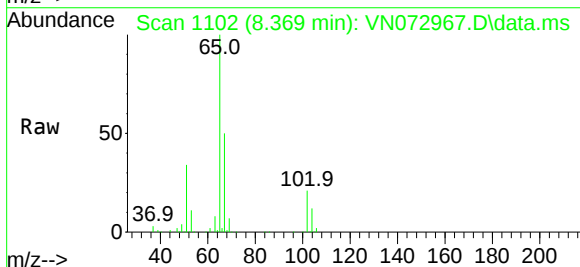


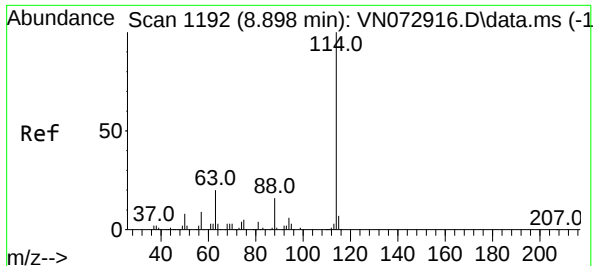
Tgt Ion: 56 Resp: 7591  
Ion Ratio Lower Upper  
56 100  
69 155.4 27.8 41.8#  
84 130.1 76.9 115.3#



#33  
1,2-Dichloroethane-d4  
Concen: 44.339 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

Tgt Ion: 65 Resp: 203477  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.899 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN072967.D

Acq: 20 Jun 2022 17:30

Instrument :

MSVOA\_N

ClientSampleId :

TOLL-MW-08

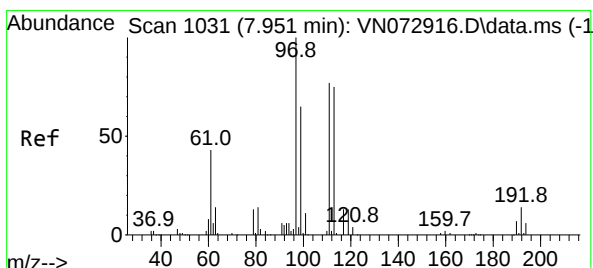
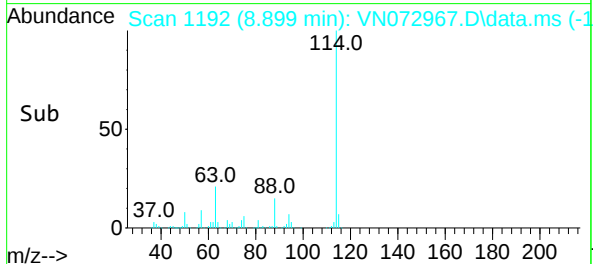
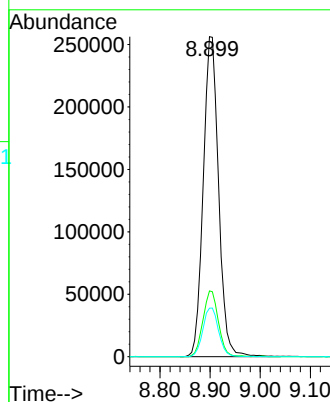
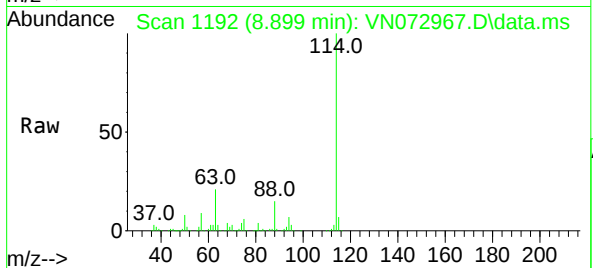
Tgt Ion:114 Resp: 544429

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.075 ug/l

RT: 7.952 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN072967.D

Acq: 20 Jun 2022 17:30

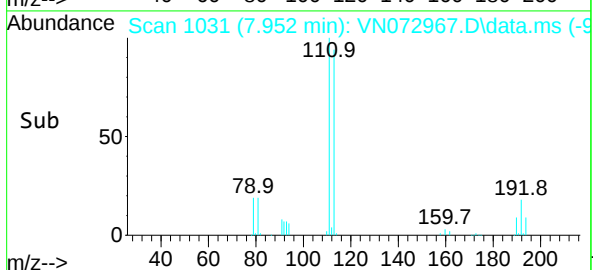
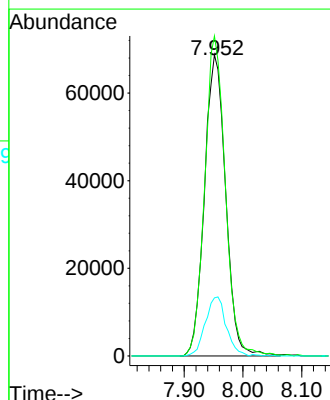
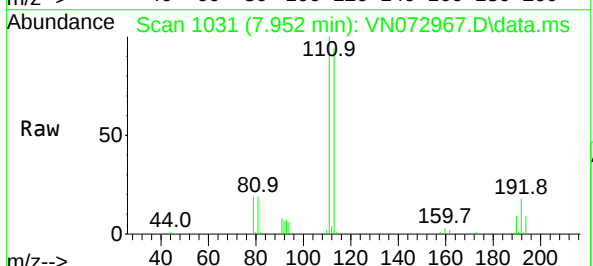
Tgt Ion:113 Resp: 171872

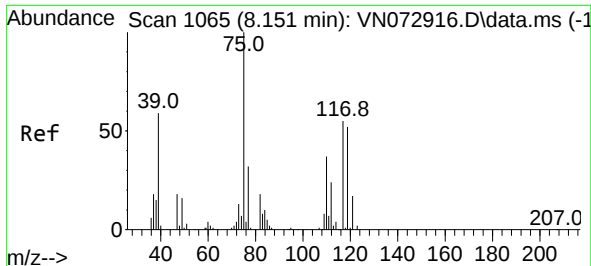
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 19.3 17.0 25.6

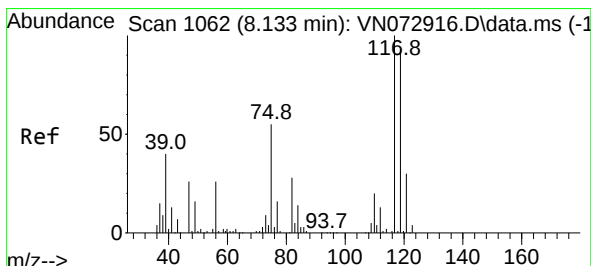
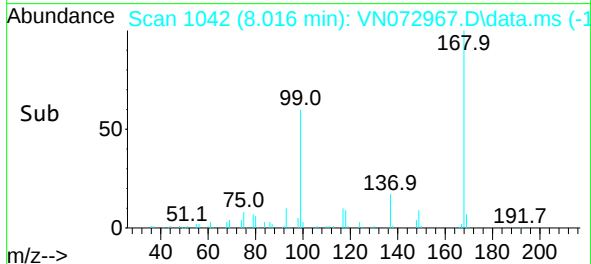
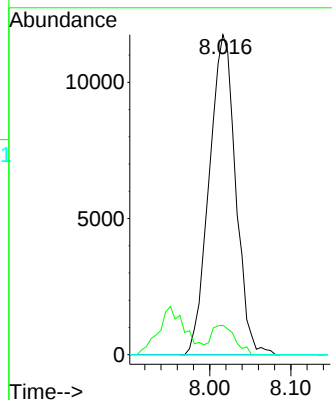
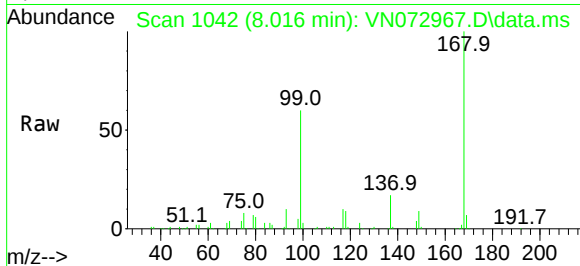




#36  
1,1-Dichloropropene  
Concen: 5.847 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.135 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

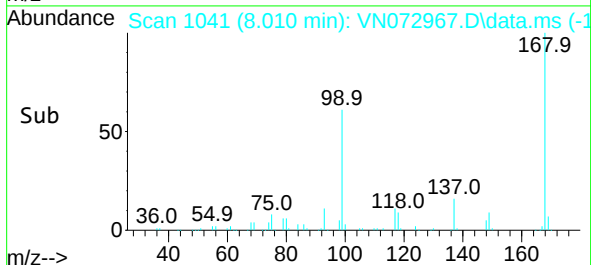
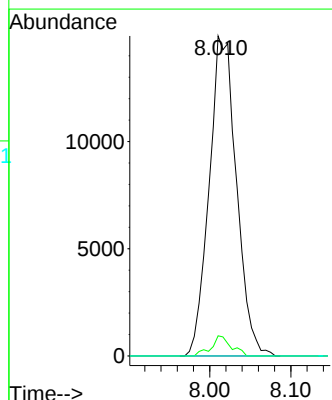
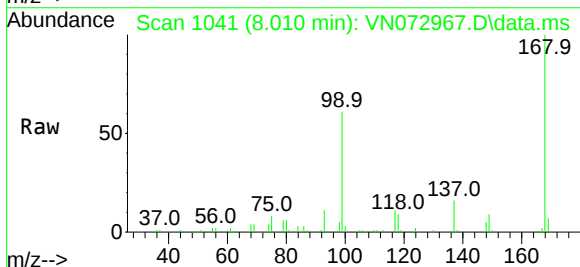
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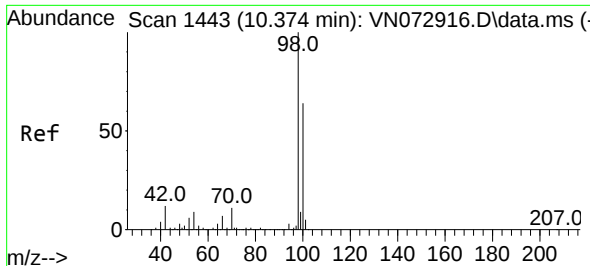
Tgt Ion: 75 Resp: 26622  
Ion Ratio Lower Upper  
75 100  
110 8.3 18.3 54.8#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 7.278 ug/l  
RT: 8.010 min Scan# 1041  
Delta R.T. -0.123 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

Tgt Ion: 117 Resp: 34857  
Ion Ratio Lower Upper  
117 100  
119 6.3 75.8 113.8#  
121 0.0 24.6 37.0#

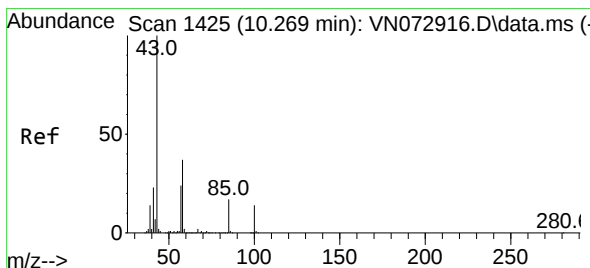
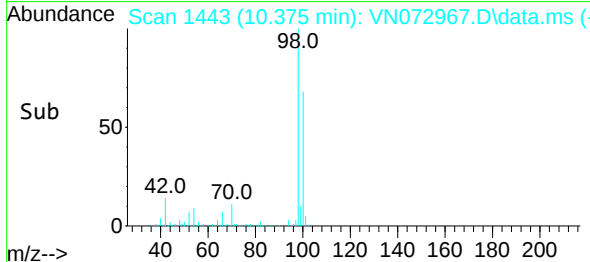
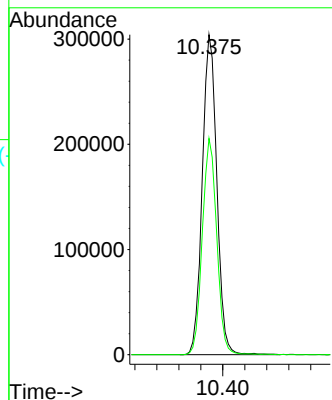
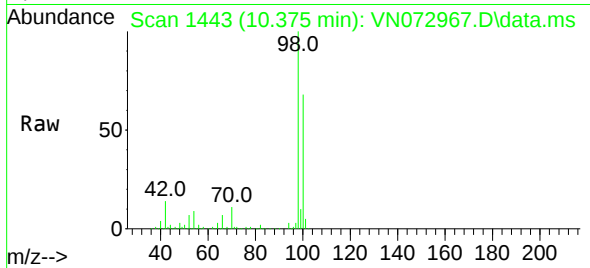




#50  
Toluene-d8  
Concen: 44.682 ug/l  
RT: 10.375 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

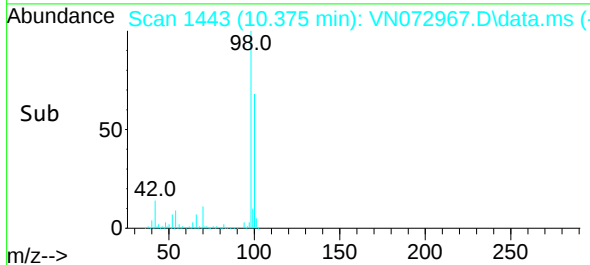
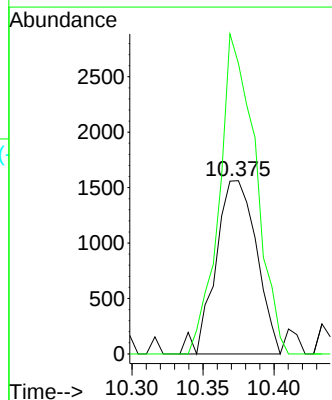
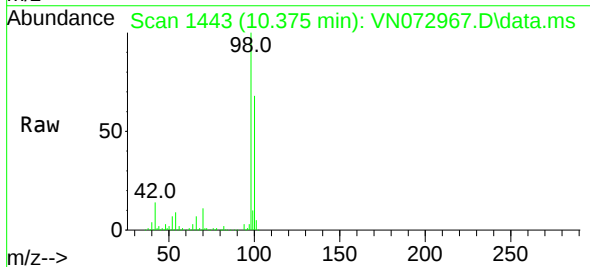
Instrument :  
MSVOA\_N  
ClientSampleId :  
TOLL-MW-08

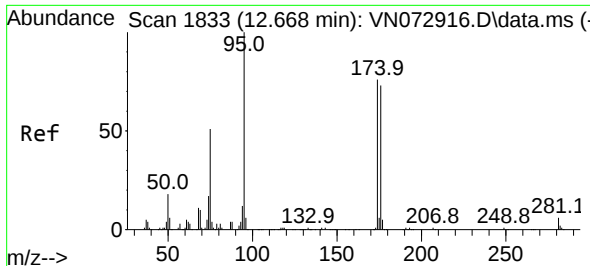
Tgt Ion: 98 Resp: 559487  
Ion Ratio Lower Upper  
98 100  
100 67.1 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.461 ug/l  
RT: 10.375 min Scan# 1443  
Delta R.T. 0.106 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

Tgt Ion: 43 Resp: 3127  
Ion Ratio Lower Upper  
43 100  
58 163.7 34.1 51.1#

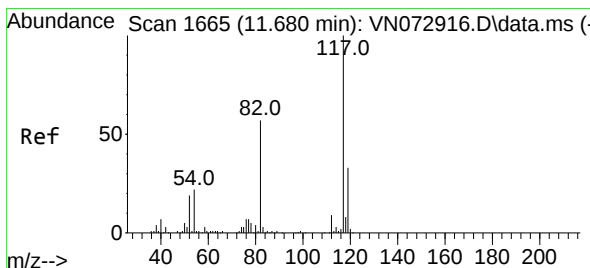
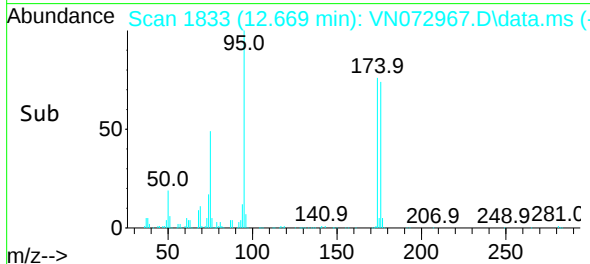
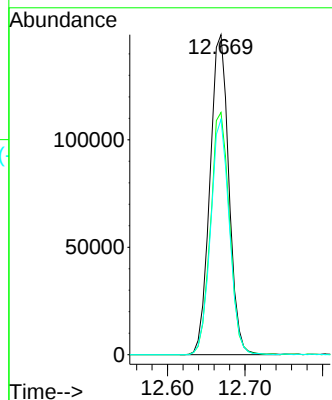
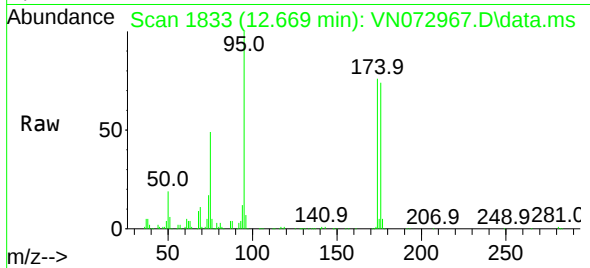




#62  
4-Bromofluorobenzene  
Concen: 56.058 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

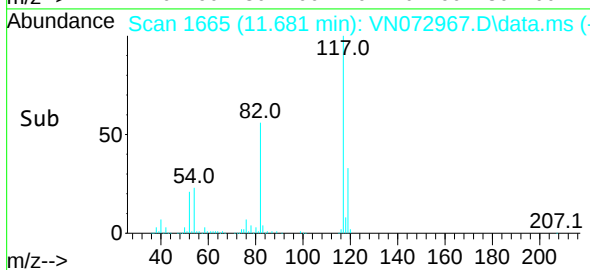
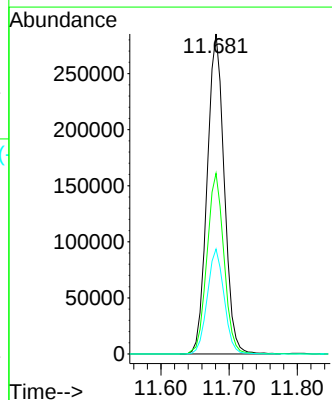
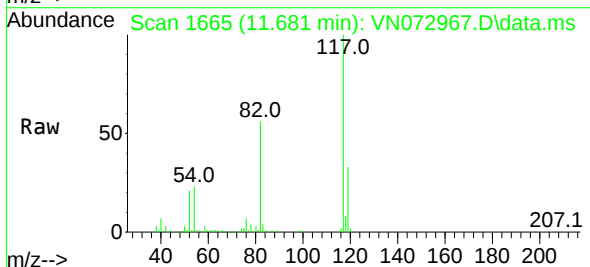
Instrument :  
MSVOA\_N  
ClientSampleId :  
TOLL-MW-08

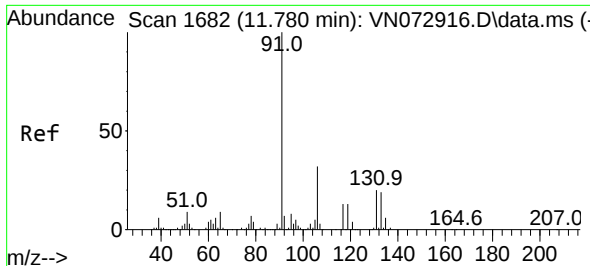
Tgt Ion: 95 Resp: 252402  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 167.6  
176 72.9 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.681 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

Tgt Ion: 117 Resp: 497045  
Ion Ratio Lower Upper  
117 100  
82 56.4 44.2 66.2  
119 32.8 25.4 38.0

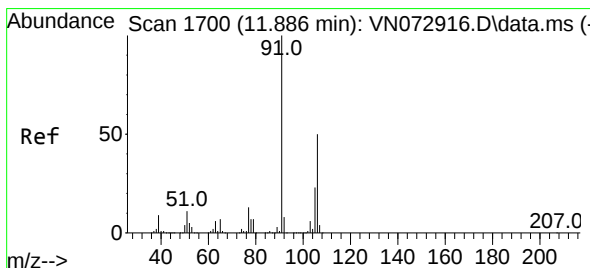
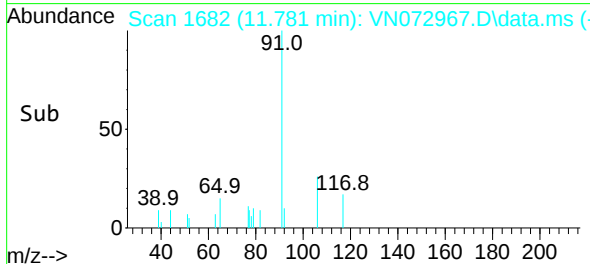
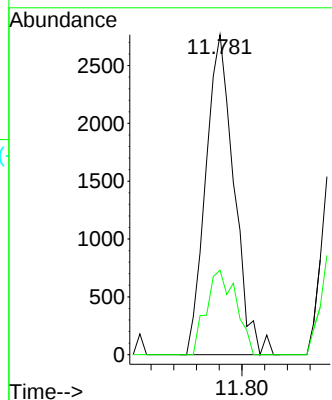
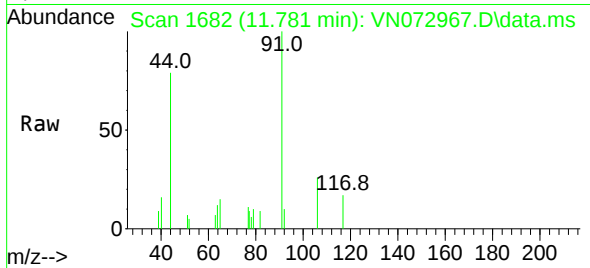




#67  
Ethyl Benzene  
Concen: 0.279 ug/l  
RT: 11.781 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

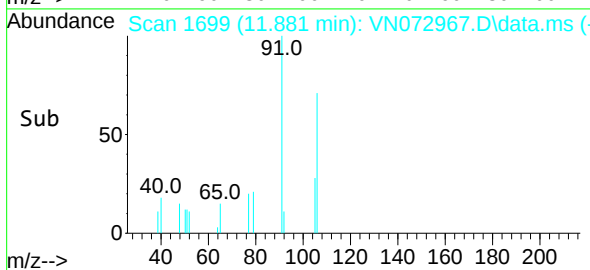
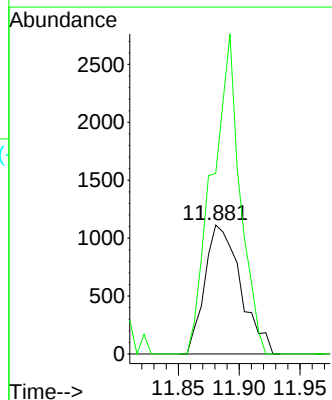
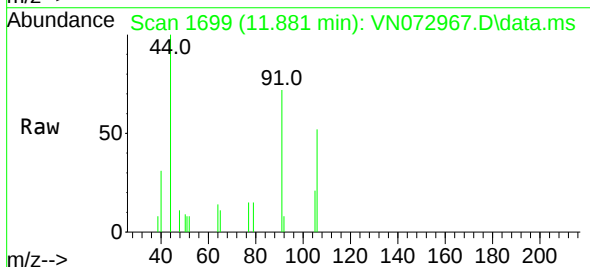
Instrument :  
MSVOA\_N  
ClientSampleId :  
TOLL-MW-08

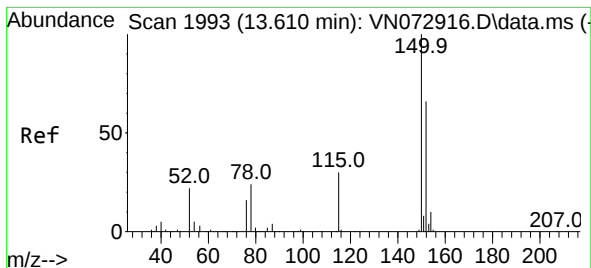
Tgt Ion: 91 Resp: 4772  
Ion Ratio Lower Upper  
91 100  
106 26.4 24.9 37.3



#68  
m/p-Xylenes  
Concen: 0.340 ug/l  
RT: 11.881 min Scan# 1699  
Delta R.T. -0.005 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

Tgt Ion: 106 Resp: 2277  
Ion Ratio Lower Upper  
106 100  
91 194.4 158.9 238.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VN072967.D

Acq: 20 Jun 2022 17:30

Instrument :

MSVOA\_N

ClientSampleId :

TOLL-MW-08

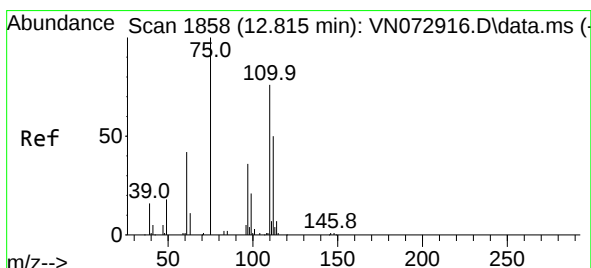
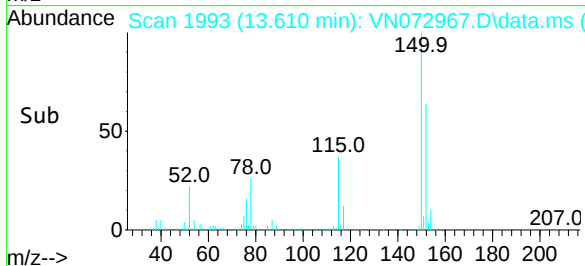
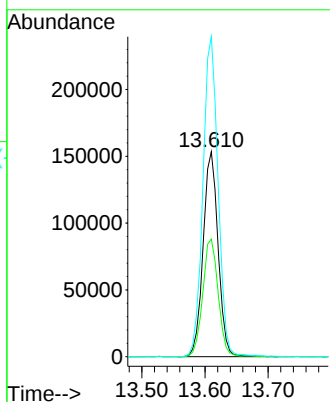
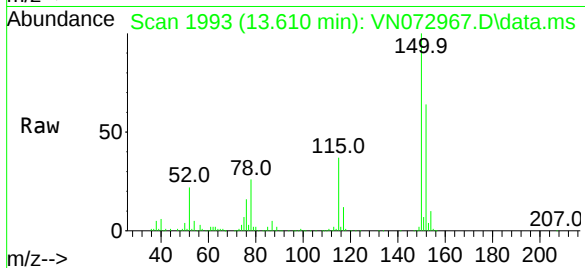
Tgt Ion:152 Resp: 252691

Ion Ratio Lower Upper

152 100

115 59.1 28.9 86.7

150 158.1 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 21.076 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.147 min

Lab File: VN072967.D

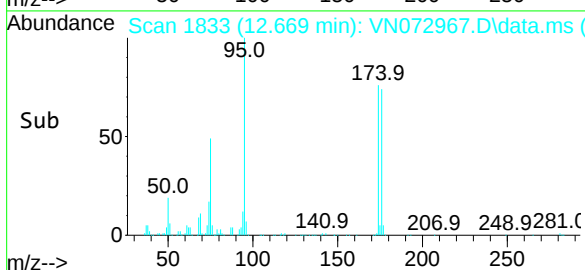
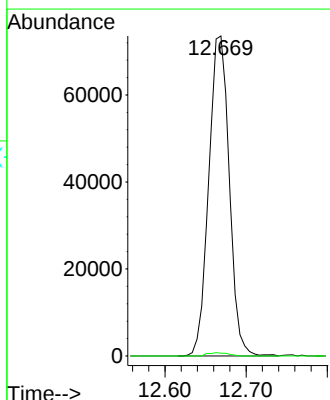
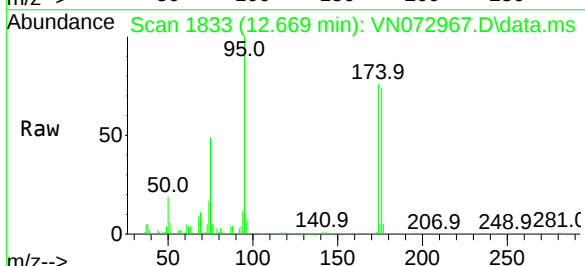
Acq: 20 Jun 2022 17:30

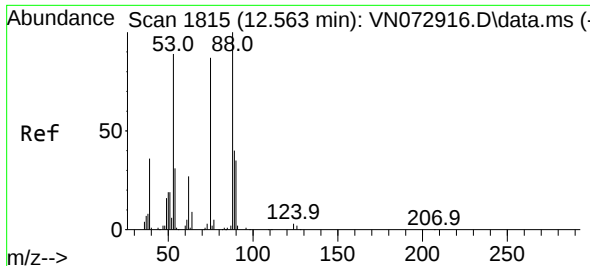
Tgt Ion: 75 Resp: 129120

Ion Ratio Lower Upper

75 100

77 1.0 98.5 295.5#

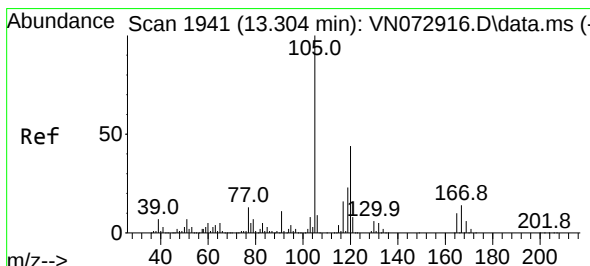
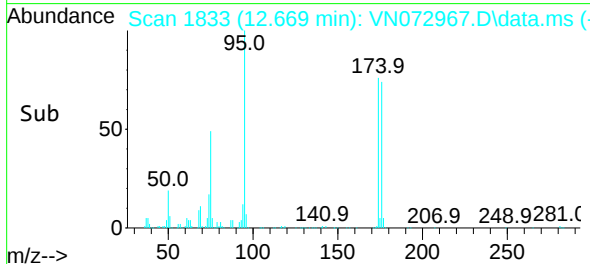
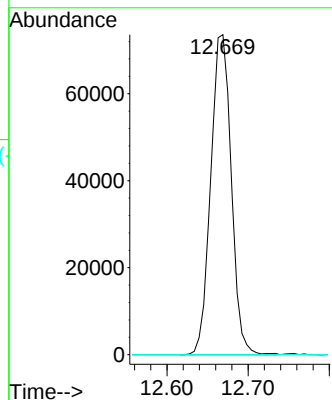
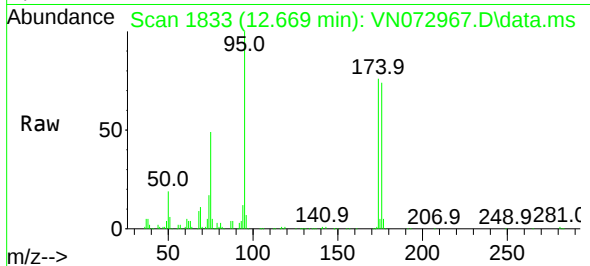




#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.918 ug/l  
RT: 12.669 min Scan# 1815  
Delta R.T. 0.106 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

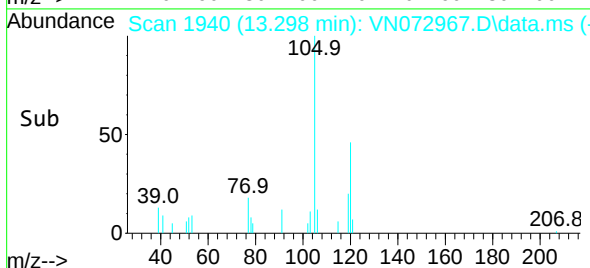
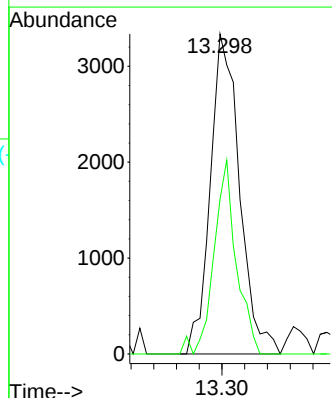
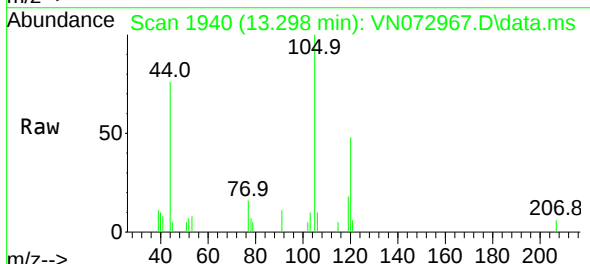
Instrument :  
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ClientSampleId :  
TOLL-MW-08

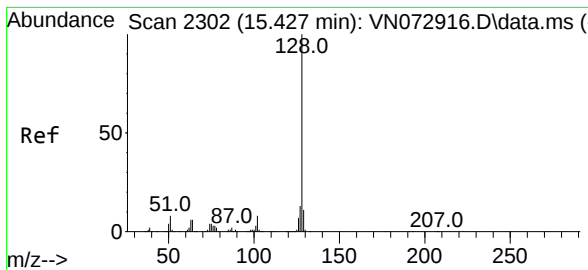
Tgt Ion: 75 Resp: 129120  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#



#84  
1,2,4-Trimethylbenzene  
Concen: 0.374 ug/l  
RT: 13.298 min Scan# 1940  
Delta R.T. -0.005 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

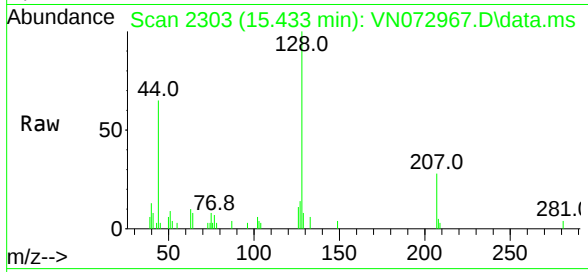
Tgt Ion: 105 Resp: 5977  
Ion Ratio Lower Upper  
105 100  
120 46.3 23.3 69.8





#95  
Naphthalene  
Concen: 0.717 ug/l  
RT: 15.433 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN072967.D  
Acq: 20 Jun 2022 17:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
TOLL-MW-08



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 14000 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 14.6  | 10.3  | 15.5  |
| 129      | 12.0  | 8.6   | 13.0  |

