

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062022\  
 Data File : VN072966.D  
 Acq On : 20 Jun 2022 17:05  
 Operator : JC\MD  
 Sample : N3370-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TOLL-MW-07

Quant Time: Jun 21 05:56:11 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

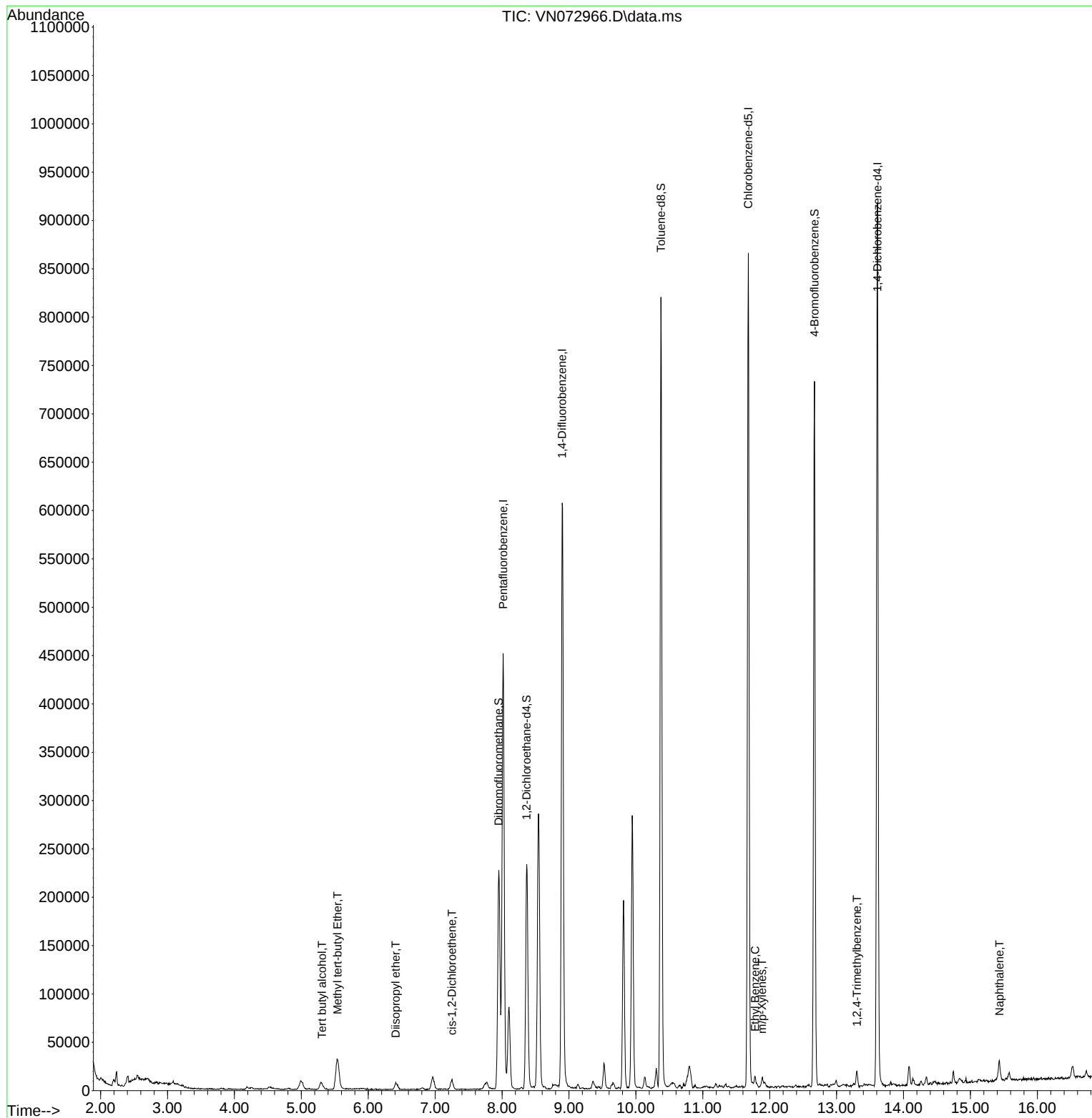
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.016  | 168   | 341622   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.898  | 114   | 545811   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.680 | 117   | 494634   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.609 | 152   | 249305   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.369  | 65    | 199982   | 43.299   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 86.600%  |
| 35) Dibromofluoromethane    | 7.951  | 113   | 168630   | 49.985   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 99.980%  |
| 50) Toluene-d8              | 10.374 | 98    | 563922   | 44.922   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 89.840%  |
| 62) 4-Bromofluorobenzene    | 12.668 | 95    | 247569   | 54.845   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 109.680% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 5.310  | 59    | 13898    | 11.649   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether | 5.539  | 73    | 51409    | 4.185    | ug/l   | 97       |
| 22) Diisopropyl ether       | 6.410  | 45    | 8690     | 0.667    | ug/l # | 94       |
| 27) cis-1,2-Dichloroethene  | 7.251  | 96    | 4329     | 1.018    | ug/l   | 86       |
| 67) Ethyl Benzene           | 11.780 | 91    | 5999     | 0.353    | ug/l   | 90       |
| 68) m/p-Xylenes             | 11.886 | 106   | 3278     | 0.491    | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.304 | 105   | 9896     | 0.627    | ug/l   | 96       |
| 95) Naphthalene             | 15.433 | 128   | 20924    | 1.086    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

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

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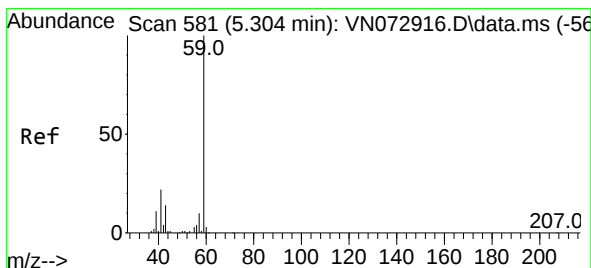
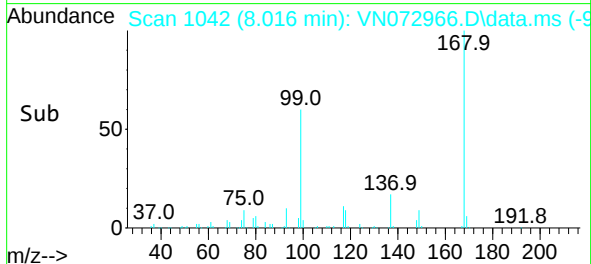
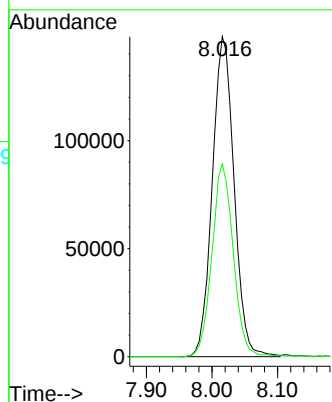
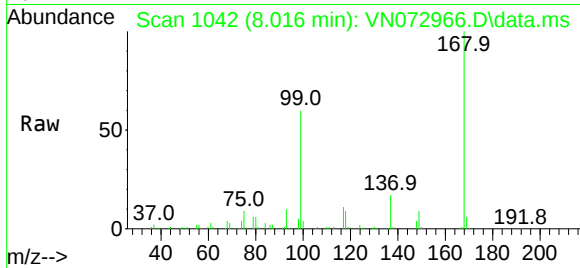




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

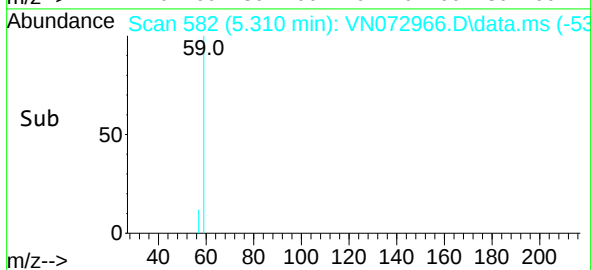
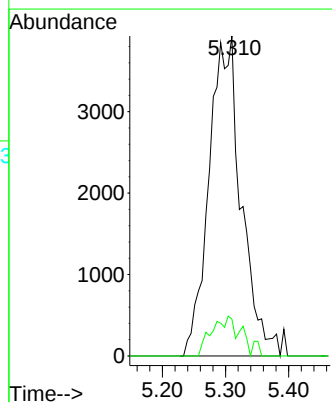
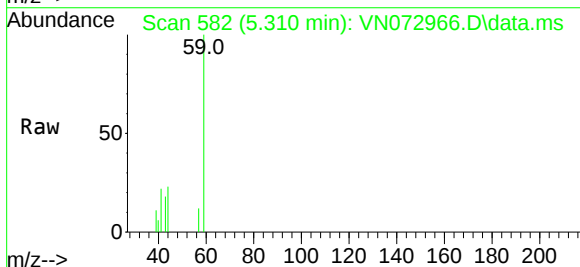
Instrument :  
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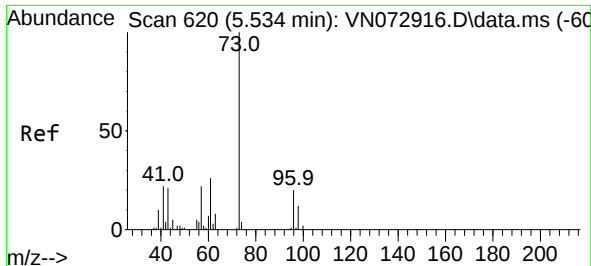
Tgt Ion:168 Resp: 341622  
Ion Ratio Lower Upper  
168 100  
99 60.2 42.3 63.5



#11  
Tert butyl alcohol  
Concen: 11.649 ug/l  
RT: 5.310 min Scan# 582  
Delta R.T. 0.006 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

Tgt Ion: 59 Resp: 13898  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.3 12.5

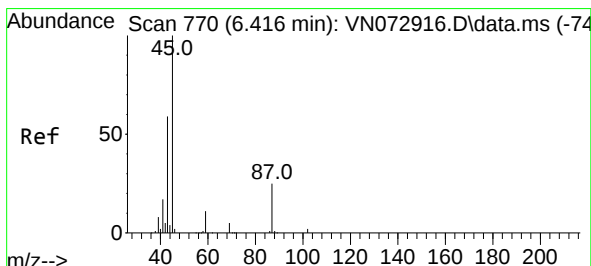
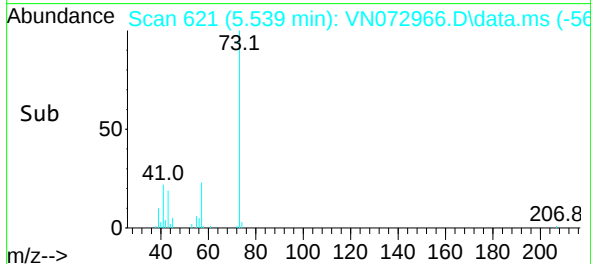
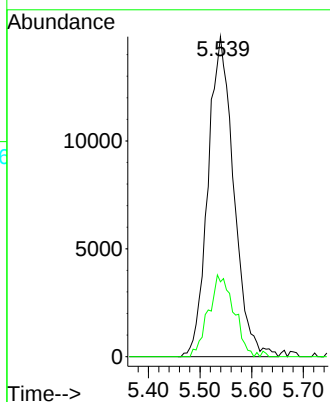
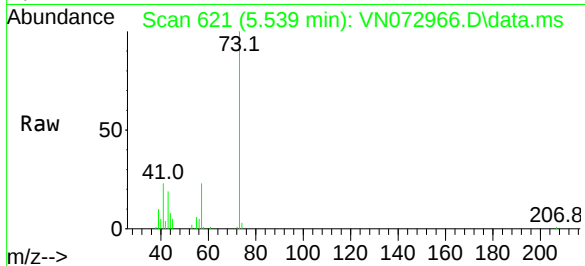




#19  
Methyl tert-butyl Ether  
Concen: 4.185 ug/l  
RT: 5.539 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

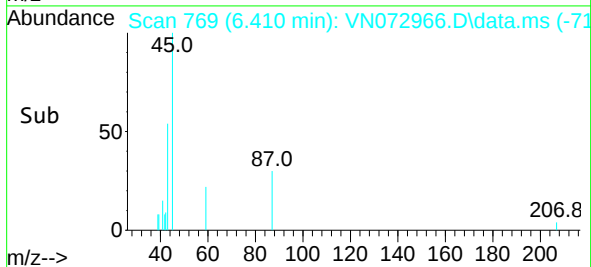
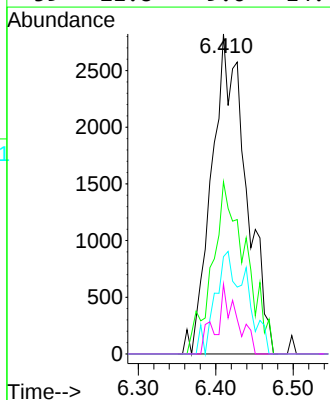
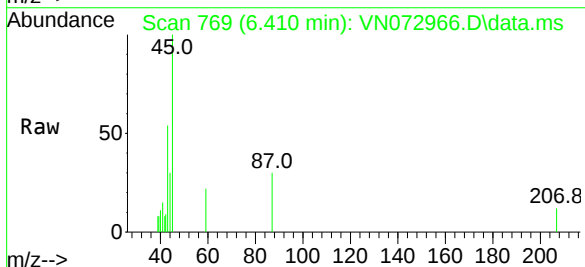
Instrument :  
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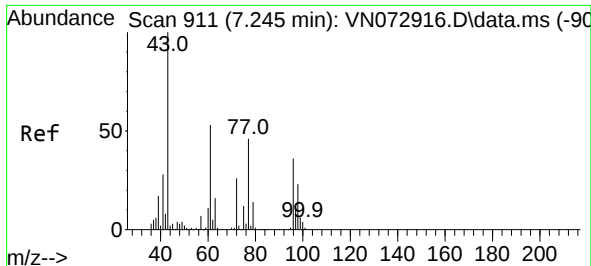
Tgt Ion: 73 Resp: 51409  
Ion Ratio Lower Upper  
73 100  
57 23.4 17.6 26.4



#22  
Diisopropyl ether  
Concen: 0.667 ug/l  
RT: 6.410 min Scan# 769  
Delta R.T. -0.006 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

Tgt Ion: 45 Resp: 8690  
Ion Ratio Lower Upper  
45 100  
43 53.8 46.6 70.0  
87 30.4 24.3 36.5  
59 21.8 9.6 14.4#





#27

cis-1,2-Dichloroethene

Concen: 1.018 ug/l

RT: 7.251 min Scan# 911

Delta R.T. 0.006 min

Lab File: VN072966.D

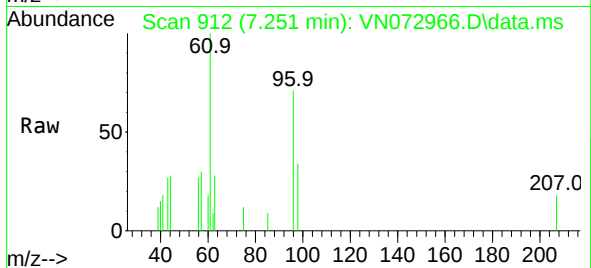
Acq: 20 Jun 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

TOLL-MW-07



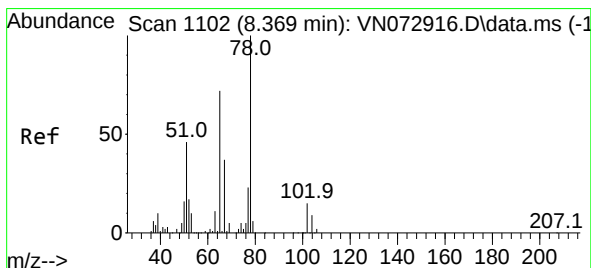
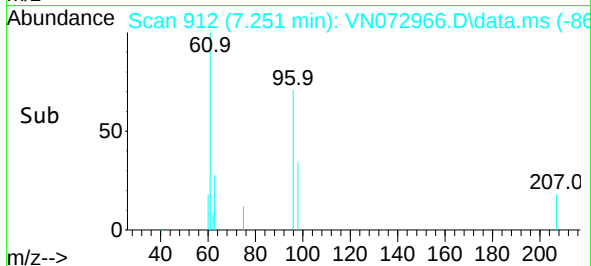
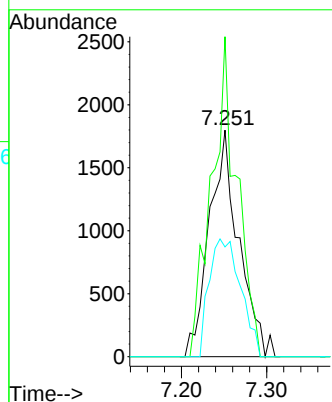
Tgt Ion: 96 Resp: 4329

Ion Ratio Lower Upper

96 100

61 122.1 0.0 280.6

98 55.5 0.0 128.4



#33

1,2-Dichloroethane-d4

Concen: 43.299 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN072966.D

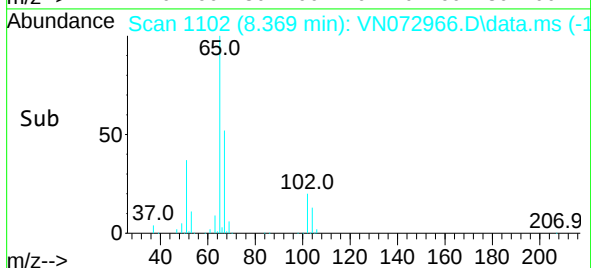
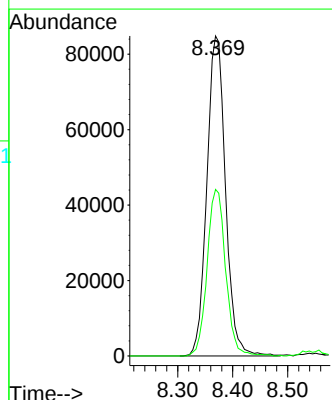
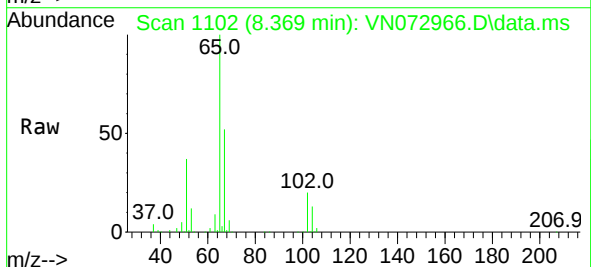
Acq: 20 Jun 2022 17:05

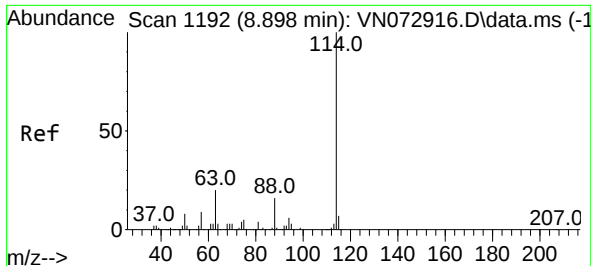
Tgt Ion: 65 Resp: 199982

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8

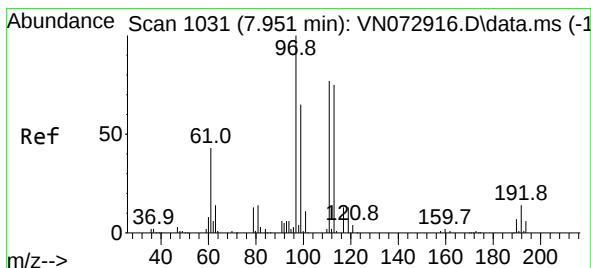
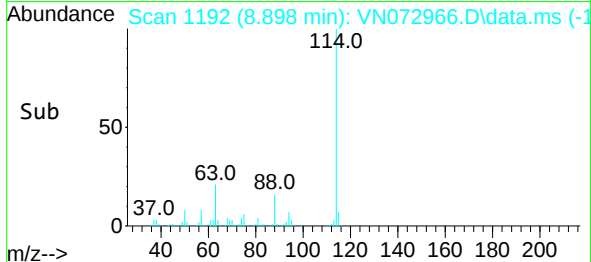
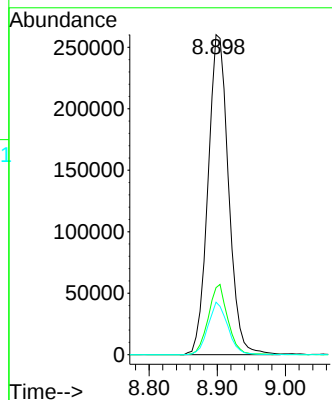
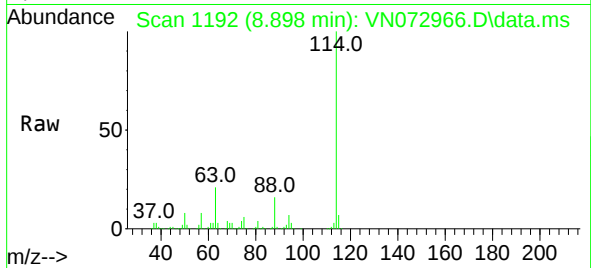




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.898 min Scan# 1192  
Delta R.T. -0.000 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

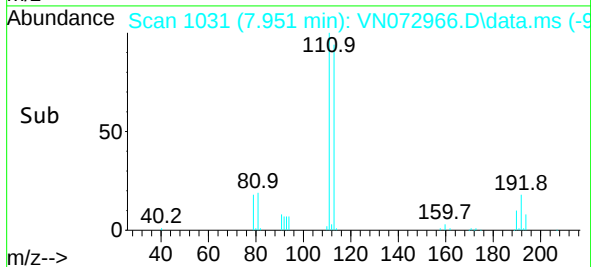
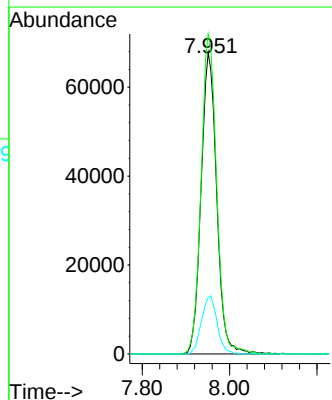
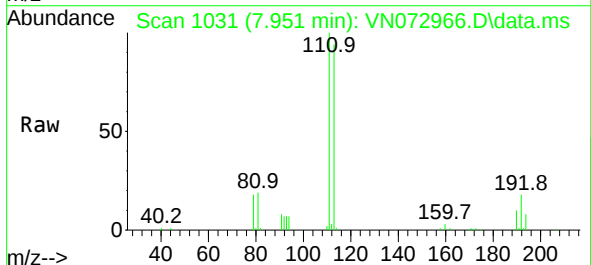
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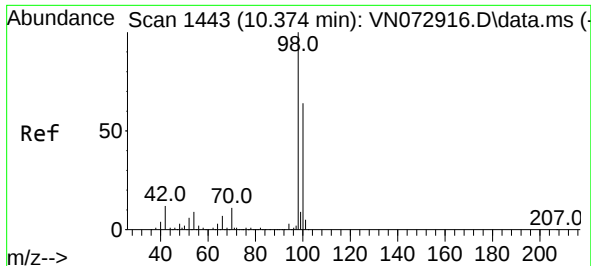
Tgt Ion:114 Resp: 545811  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 40.0  
88 16.4 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 49.985 ug/l  
RT: 7.951 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

Tgt Ion:113 Resp: 168630  
Ion Ratio Lower Upper  
113 100  
111 106.1 81.4 122.0  
192 19.2 17.0 25.6

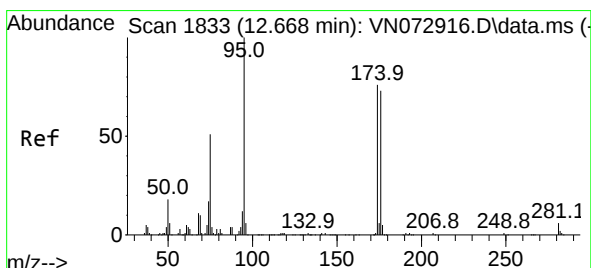
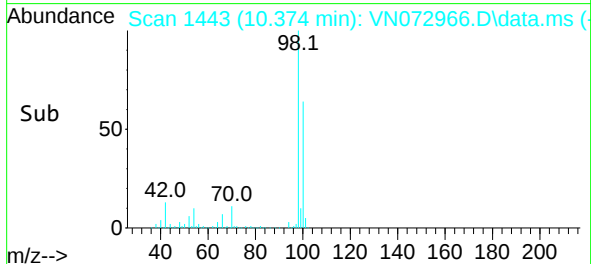
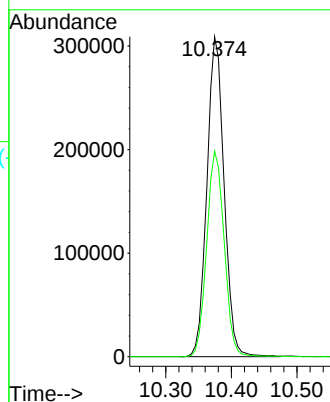
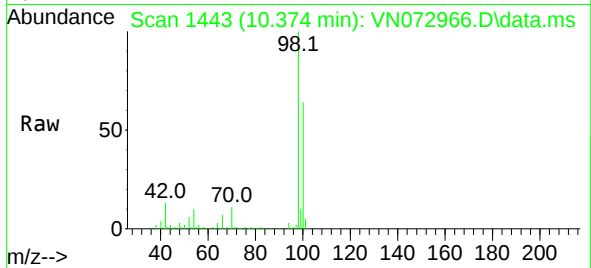




#50  
Toluene-d8  
Concen: 44.922 ug/l  
RT: 10.374 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

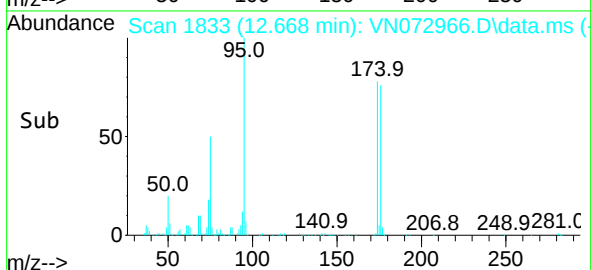
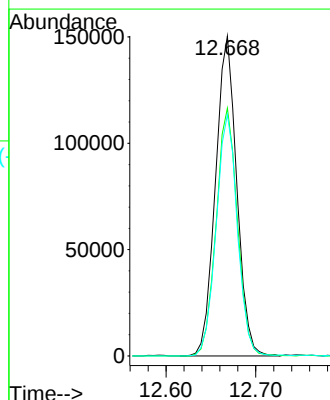
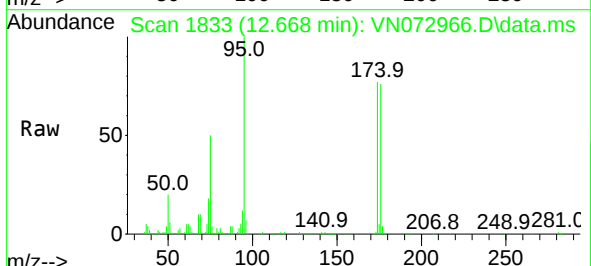
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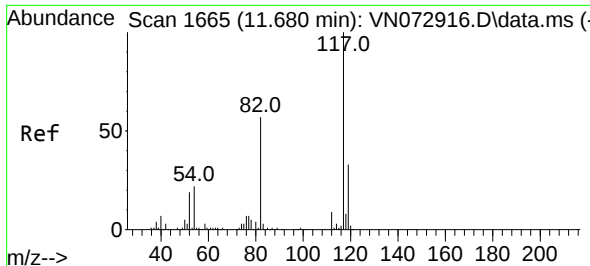
Tgt Ion: 98 Resp: 563922  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 54.845 ug/l  
RT: 12.668 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

Tgt Ion: 95 Resp: 247569  
Ion Ratio Lower Upper  
95 100  
174 77.4 0.0 167.6  
176 75.0 0.0 163.4

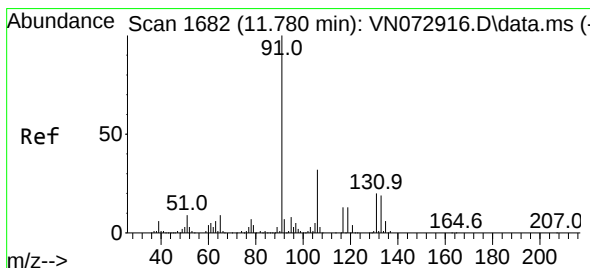
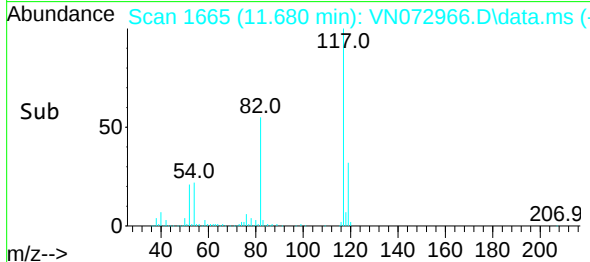
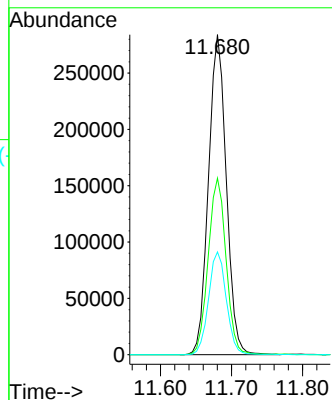
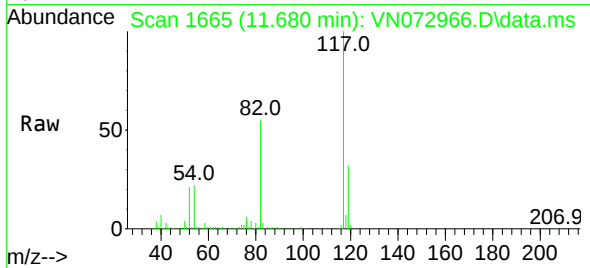




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.680 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

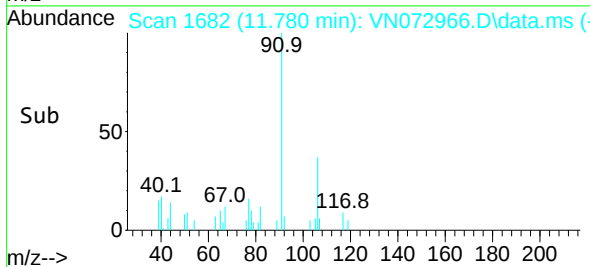
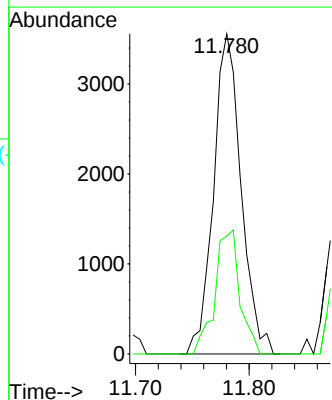
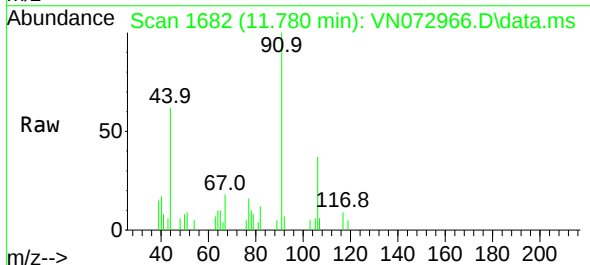
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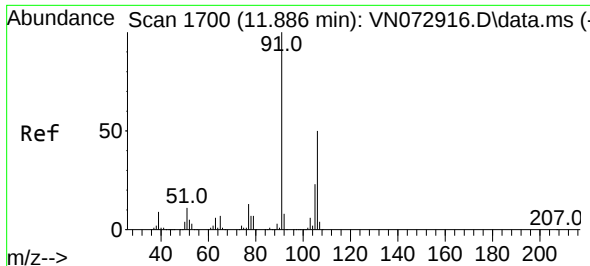
Tgt Ion:117 Resp: 494634  
Ion Ratio Lower Upper  
117 100  
82 55.2 44.2 66.2  
119 32.1 25.4 38.0



#67  
Ethyl Benzene  
Concen: 0.353 ug/l  
RT: 11.780 min Scan# 1682  
Delta R.T. -0.000 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

Tgt Ion: 91 Resp: 5999  
Ion Ratio Lower Upper  
91 100  
106 36.8 24.9 37.3

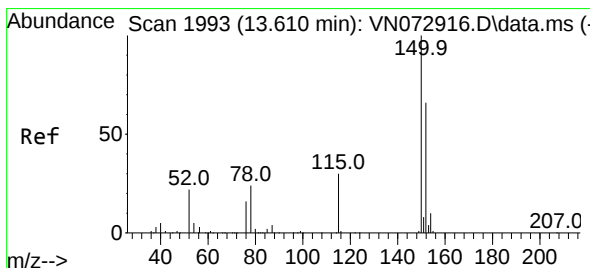
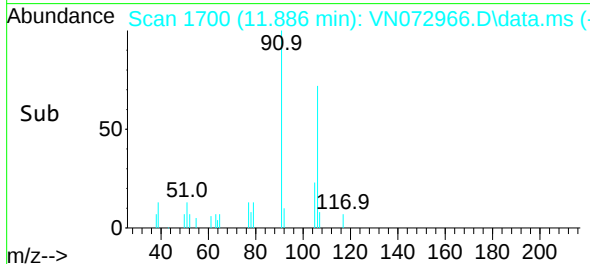
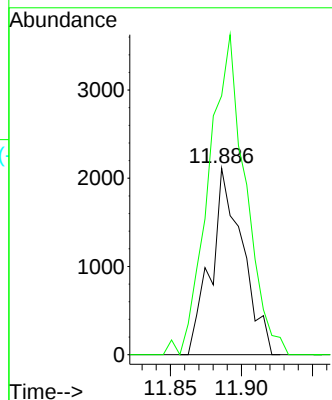
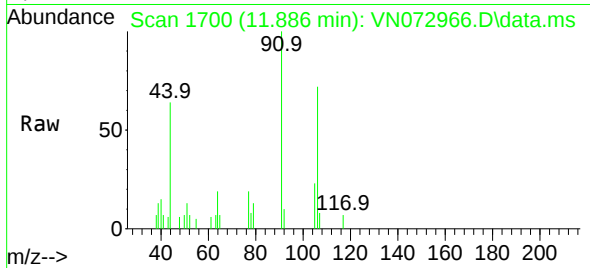




#68  
m/p-Xylenes  
Concen: 0.491 ug/l  
RT: 11.886 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

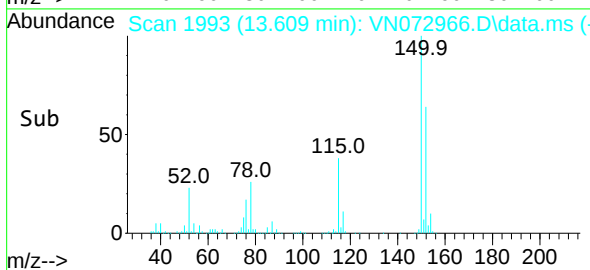
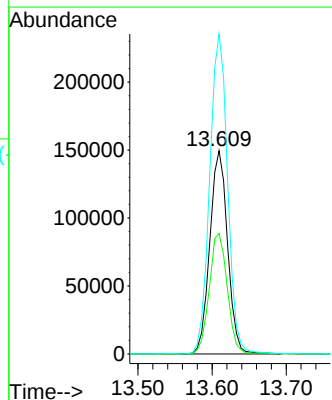
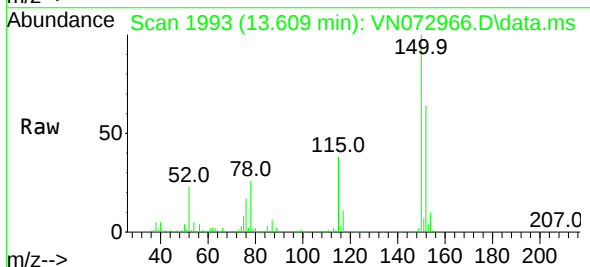
Instrument :  
MSVOA\_N  
ClientSampleId :  
TOLL-MW-07

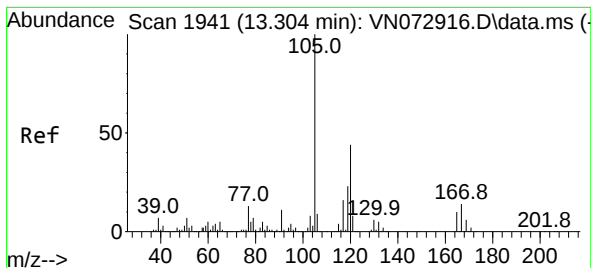
Tgt Ion:106 Resp: 3278  
Ion Ratio Lower Upper  
106 100  
91 200.3 158.9 238.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.609 min Scan# 1993  
Delta R.T. -0.000 min  
Lab File: VN072966.D  
Acq: 20 Jun 2022 17:05

Tgt Ion:152 Resp: 249305  
Ion Ratio Lower Upper  
152 100  
115 60.3 28.9 86.7  
150 158.2 0.0 356.2





#84

1,2,4-Trimethylbenzene

Concen: 0.627 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.000 min

Lab File: VN072966.D

Acq: 20 Jun 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

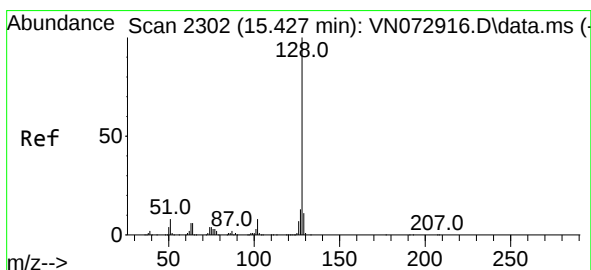
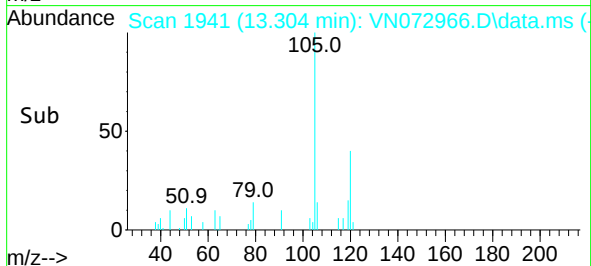
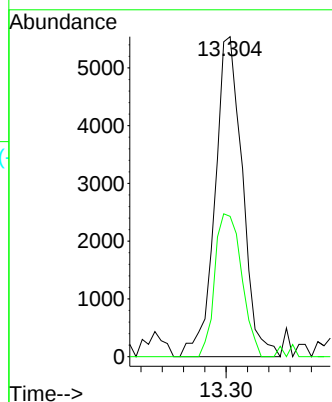
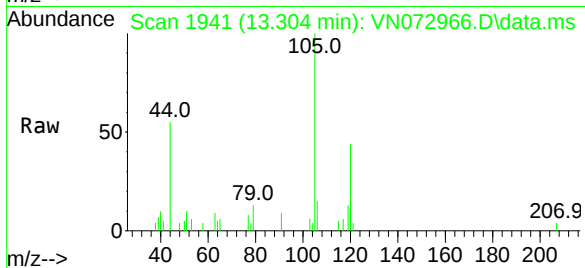
TOLL-MW-07

Tgt Ion:105 Resp: 9896

Ion Ratio Lower Upper

105 100

120 43.7 23.3 69.8



#95

Naphthalene

Concen: 1.086 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN072966.D

Acq: 20 Jun 2022 17:05

Tgt Ion:128 Resp: 20924

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

129 11.3 8.6 13.0

