

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052422\  
 Data File : VN072606.D  
 Acq On : 24 May 2022 23:20  
 Operator : JC\MD  
 Sample : N2968-07  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-31

Quant Time: May 25 09:23:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N052422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 25 09:15:20 2022  
 Response via : Initial Calibration

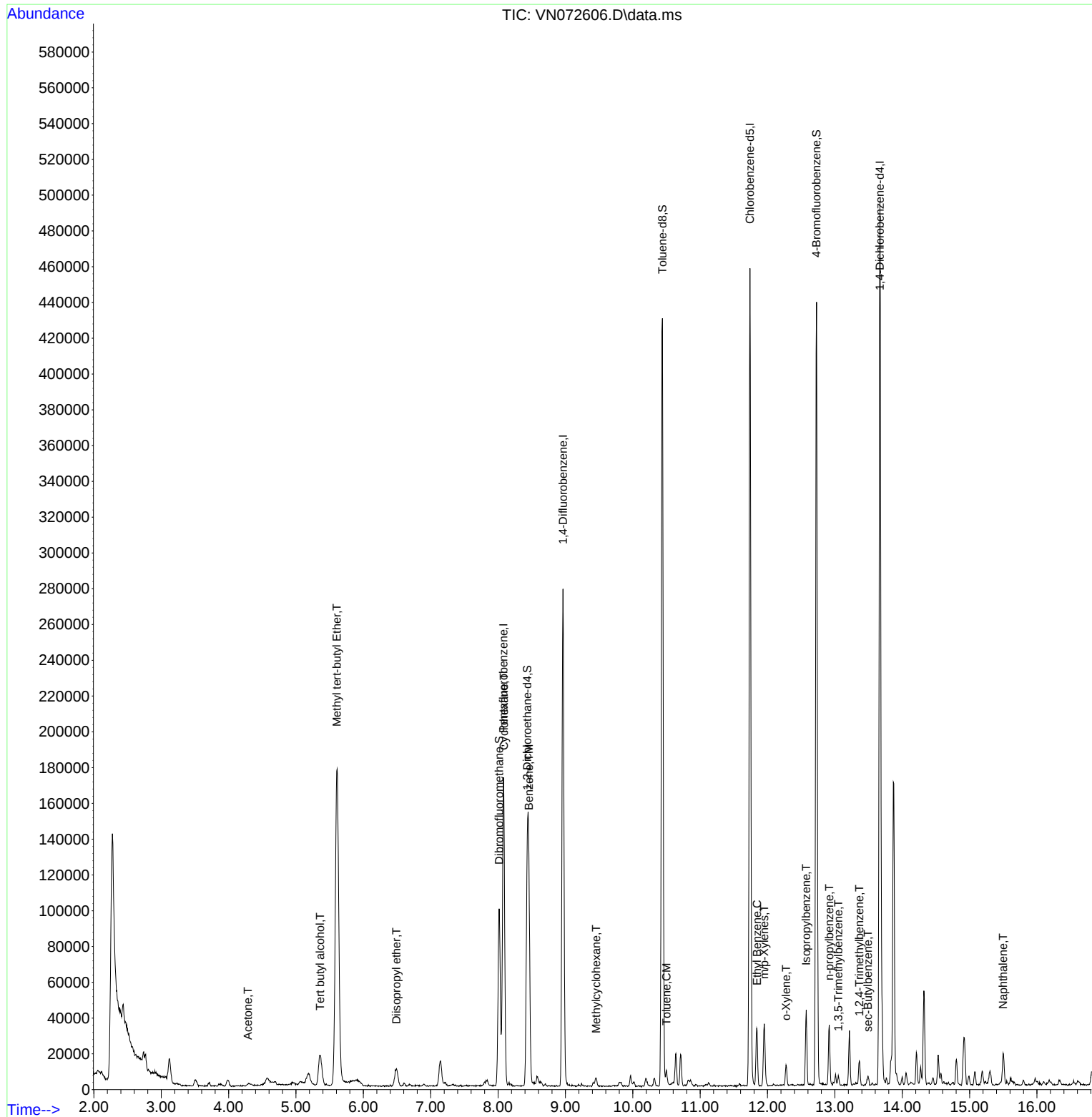
| Compound                    | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                       |                |      |                      |         |        |          |
| Internal Standards          |                |      |                      |         |        |          |
| 1) Pentafluorobenzene       | 8.081          | 168  | 131469               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.963          | 114  | 241436               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.739         | 117  | 260271               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.669         | 152  | 142677               | 50.000  | ug/l   | 0.00     |
|                             |                |      |                      |         |        |          |
| System Monitoring Compounds |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.434          | 65   | 85656                | 57.277  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 114.560%  |         |        |          |
| 35) Dibromofluoromethane    | 8.016          | 113  | 72439                | 46.292  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 92.580%   |         |        |          |
| 50) Toluene-d8              | 10.439         | 98   | 303094               | 50.727  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 101.460%  |         |        |          |
| 62) 4-Bromofluorobenzene    | 12.727         | 95   | 148791               | 76.566  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 153.140%# |         |        |          |
|                             |                |      |                      |         |        |          |
| Target Compounds            |                |      |                      |         | Qvalue |          |
| 11) Tert butyl alcohol      | 5.357          | 59   | 31887                | 113.232 | ug/l   | 99       |
| 16) Acetone                 | 4.287          | 43   | 2463                 | 3.351   | ug/l # | 83       |
| 19) Methyl tert-butyl Ether | 5.604          | 73   | 297771               | 72.656  | ug/l   | 99       |
| 22) Diisopropyl ether       | 6.492          | 45   | 11930                | 2.604   | ug/l # | 89       |
| 31) Cyclohexane             | 8.086          | 56   | 7094                 | 2.995   | ug/l # | 65       |
| 39) Methylcyclohexane       | 9.457          | 83   | 1977                 | 0.725   | ug/l   | 93       |
| 40) Benzene                 | 8.457          | 78   | 108869               | 15.240  | ug/l   | 98       |
| 52) Toluene                 | 10.498         | 92   | 3141                 | 0.694   | ug/l   | 91       |
| 67) Ethyl Benzene           | 11.845         | 91   | 24825                | 2.504   | ug/l   | 99       |
| 68) m/p-Xylenes             | 11.951         | 106  | 10990                | 2.909   | ug/l   | 98       |
| 69) o-Xylene                | 12.274         | 106  | 3646                 | 0.998   | ug/l   | 96       |
| 73) Isopropylbenzene        | 12.574         | 105  | 27176                | 2.138   | ug/l   | 100      |
| 78) n-propylbenzene         | 12.916         | 91   | 27691                | 1.965   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 13.051         | 105  | 2452                 | 0.248   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.363         | 105  | 8652                 | 0.893   | ug/l   | 97       |
| 85) sec-Butylbenzene        | 13.492         | 105  | 3582                 | 0.291   | ug/l # | 77       |
| 95) Naphthalene             | 15.498         | 128  | 18756                | 2.112   | ug/l   | 98       |
| -----                       |                |      |                      |         |        |          |

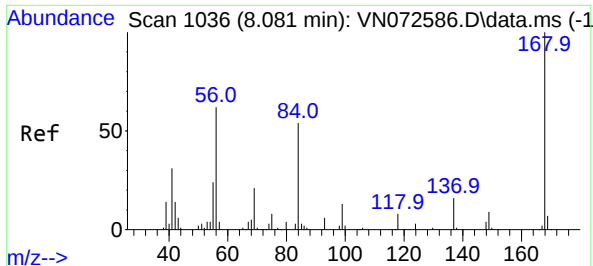
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 25 09:15:20 2022  
Response via : Initial Calibration

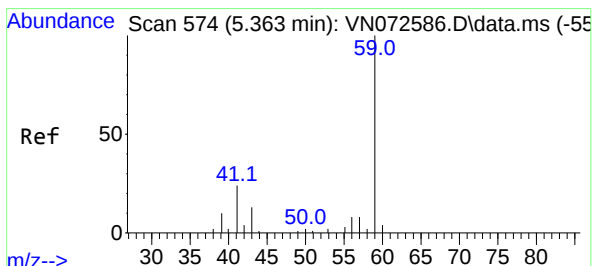
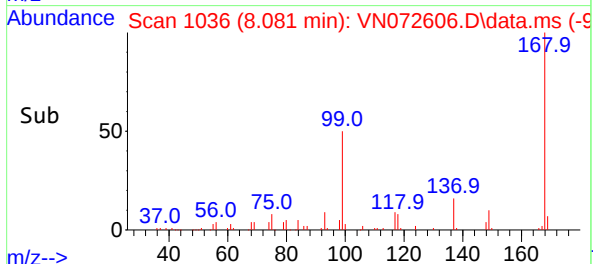
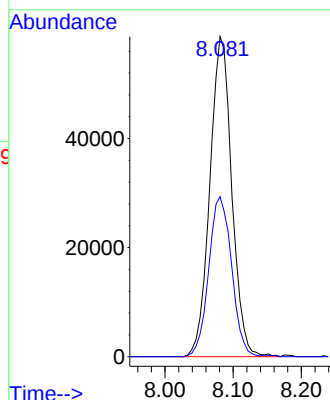
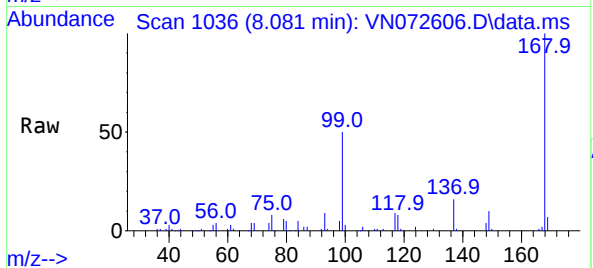




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

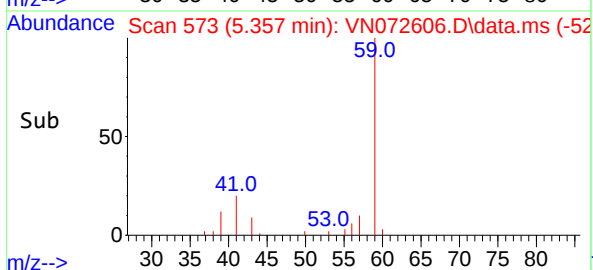
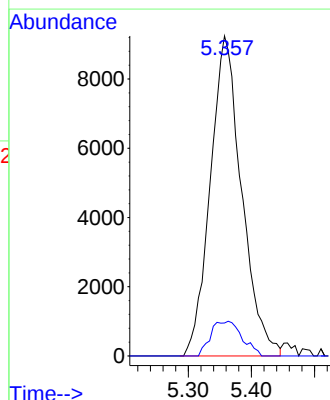
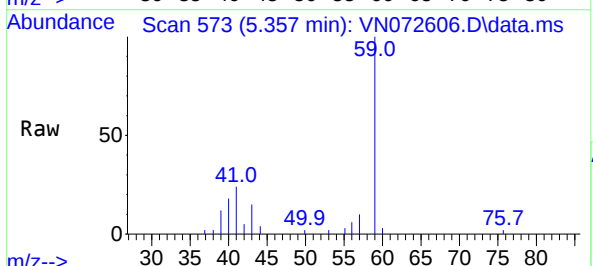
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-31

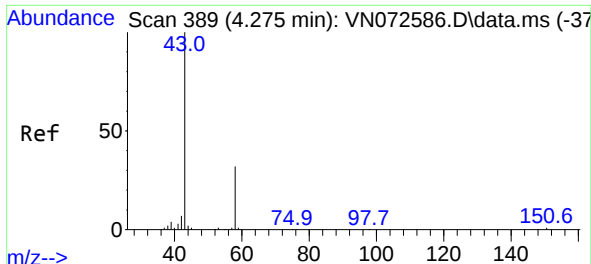
Tgt Ion:168 Resp: 131469  
Ion Ratio Lower Upper  
168 100  
99 50.0 42.3 63.5



#11  
Tert butyl alcohol  
Concen: 113.232 ug/l  
RT: 5.357 min Scan# 573  
Delta R.T. -0.006 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

Tgt Ion: 59 Resp: 31887  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.3 12.5

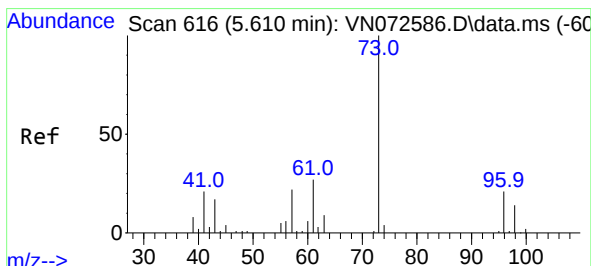
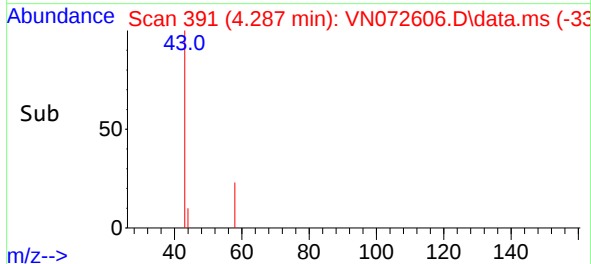
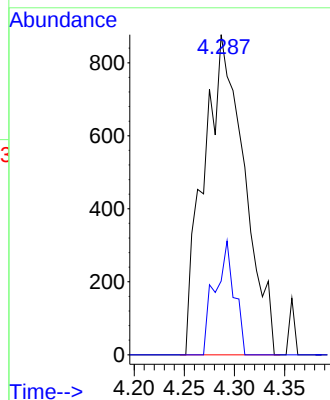
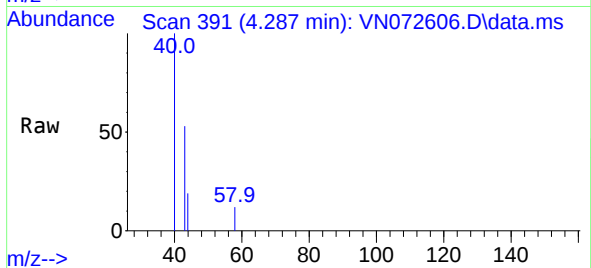




#16  
Acetone  
Concen: 3.351 ug/l  
RT: 4.287 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

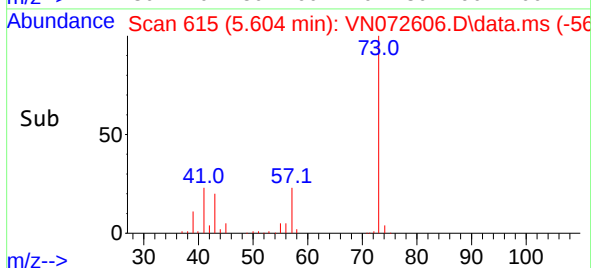
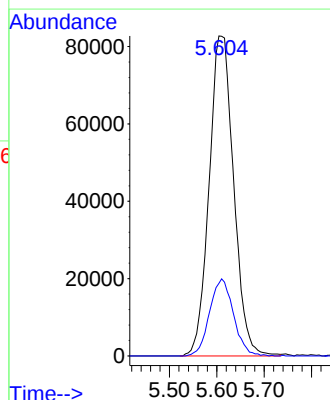
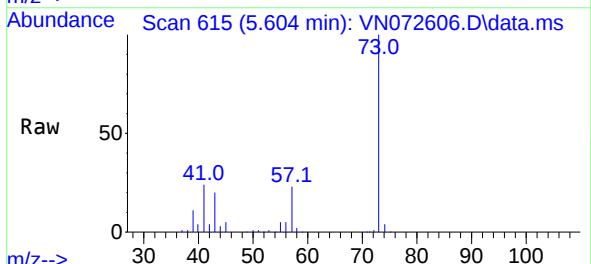
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-31

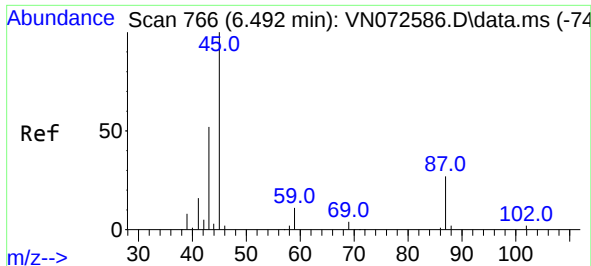
Tgt Ion: 43 Resp: 2463  
Ion Ratio Lower Upper  
43 100  
58 23.0 26.0 39.0#



#19  
Methyl tert-butyl Ether  
Concen: 72.656 ug/l  
RT: 5.604 min Scan# 615  
Delta R.T. -0.006 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

Tgt Ion: 73 Resp: 297771  
Ion Ratio Lower Upper  
73 100  
57 22.7 17.6 26.4

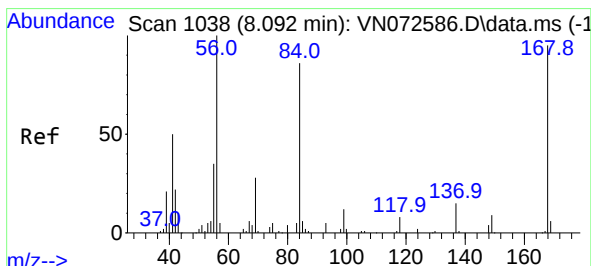
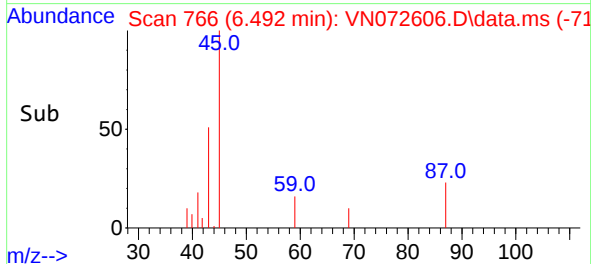
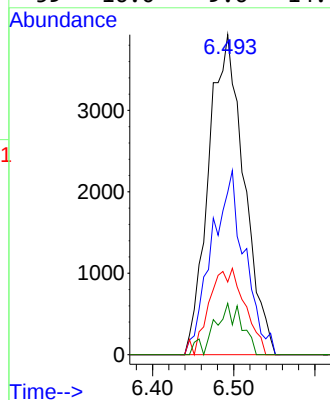
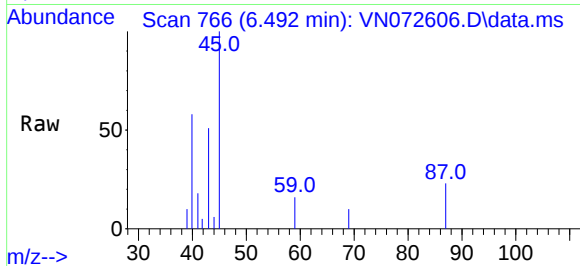




#22  
Diisopropyl ether  
Concen: 2.604 ug/l  
RT: 6.492 min Scan# 766  
Delta R.T. 0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

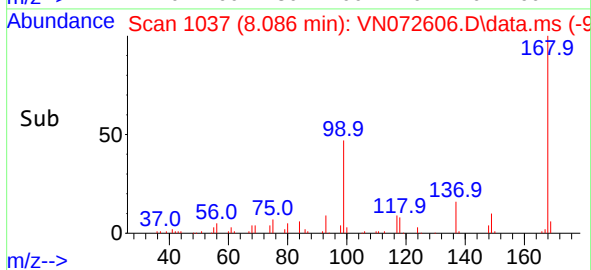
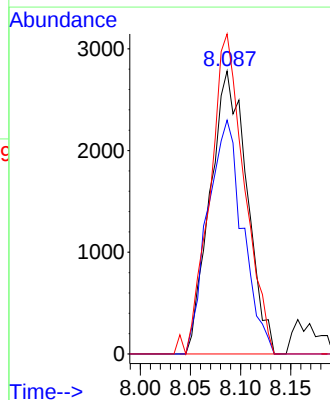
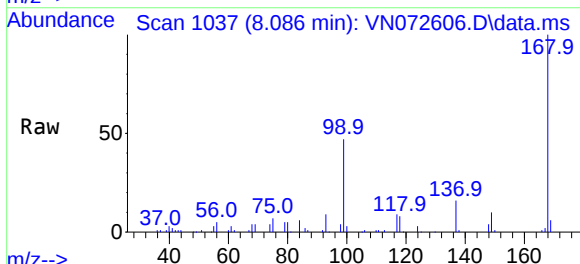
Instrument :  
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ClientSampleId :  
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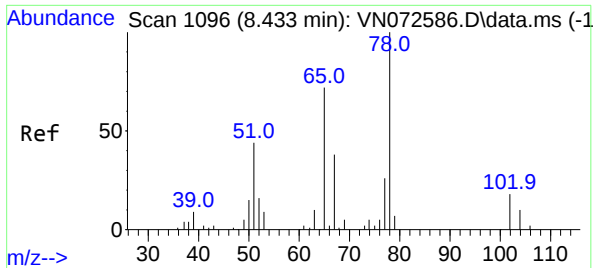
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 11930 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 50.8  | 46.6  | 70.0  |
| 87       | 22.7  | 24.3  | 36.5# |
| 59       | 16.0  | 9.6   | 14.4# |



#31  
Cyclohexane  
Concen: 2.995 ug/l  
RT: 8.086 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 7094  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 82.7  | 27.8  | 41.8# |
| 84       | 113.1 | 76.9  | 115.3 |

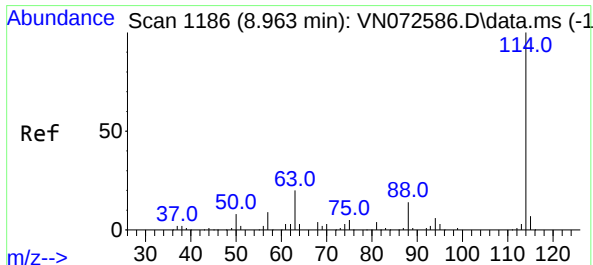
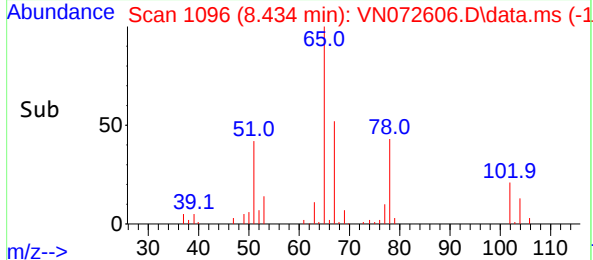
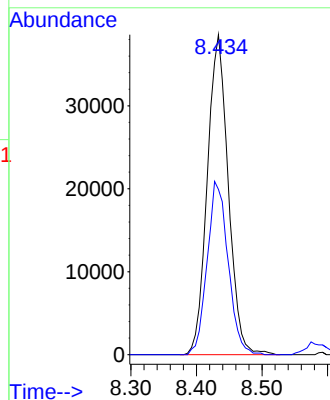
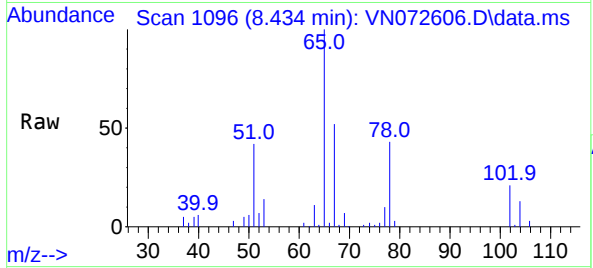




#33  
1,2-Dichloroethane-d4  
Concen: 57.277 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. 0.001 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

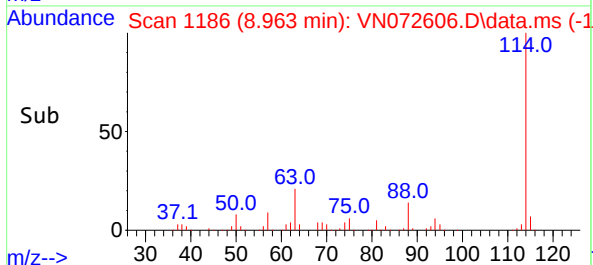
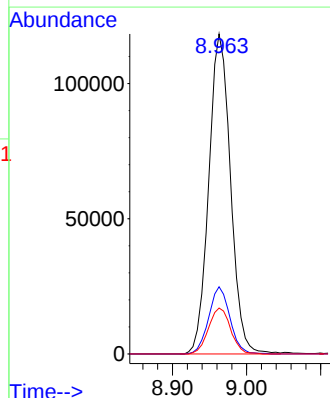
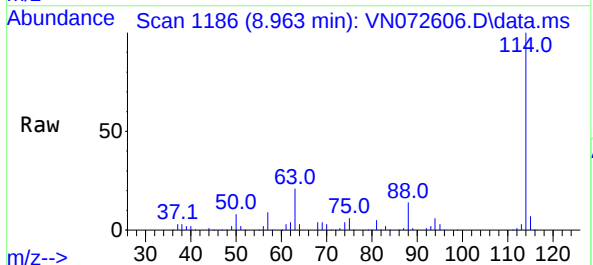
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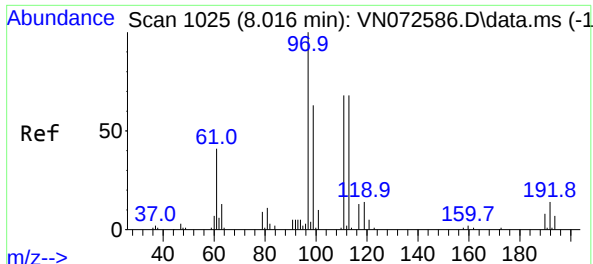
Tgt Ion: 65 Resp: 85656  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 104.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

Tgt Ion:114 Resp: 241436  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 40.0  
88 14.4 0.0 32.6

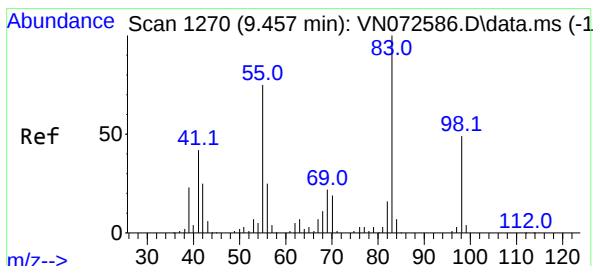
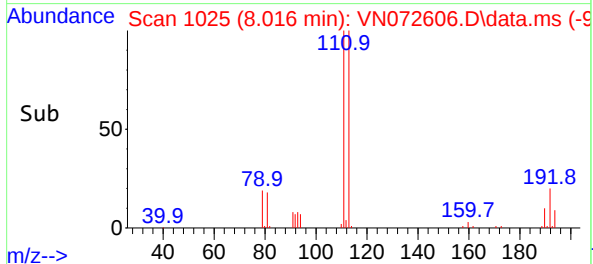
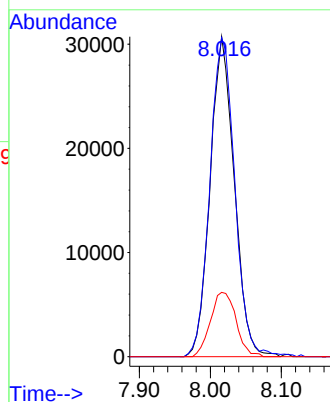
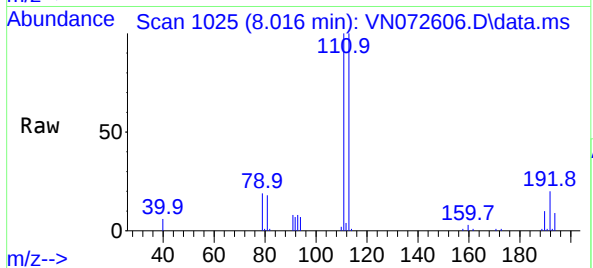




#35  
Dibromofluoromethane  
Concen: 46.292 ug/l  
RT: 8.016 min Scan# 1025  
Delta R.T. -0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

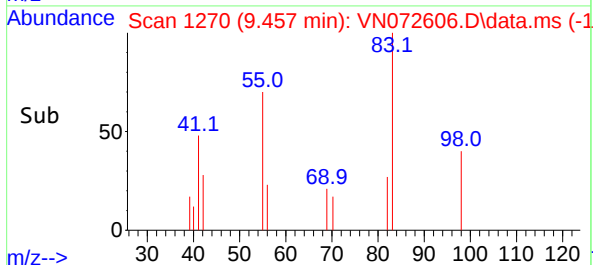
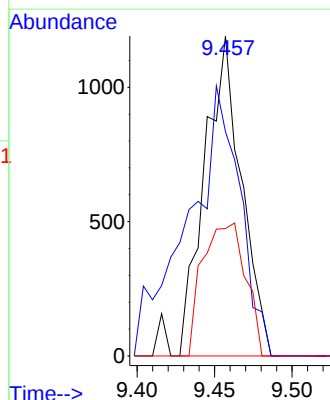
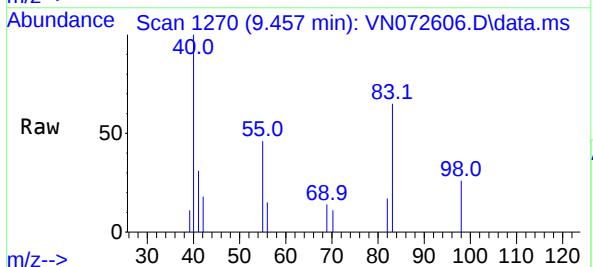
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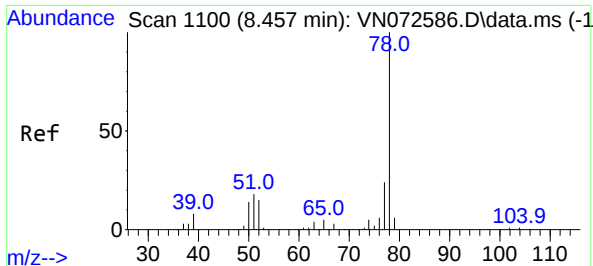
Tgt Ion:113 Resp: 72439  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.4 122.0  
192 21.3 17.0 25.6



#39  
Methylcyclohexane  
Concen: 0.725 ug/l  
RT: 9.457 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

Tgt Ion: 83 Resp: 1977  
Ion Ratio Lower Upper  
83 100  
55 70.0 57.8 86.8  
98 39.8 39.4 59.2

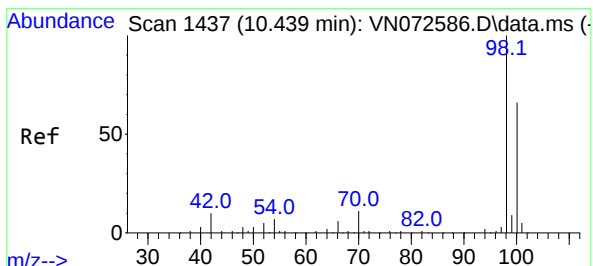
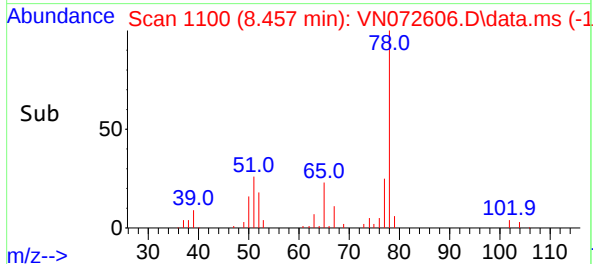
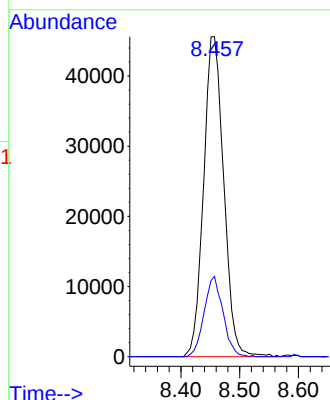
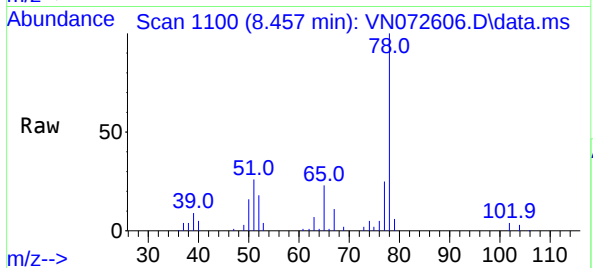




#40  
Benzene  
Concen: 15.240 ug/l  
RT: 8.457 min Scan# 1100  
Delta R.T. 0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

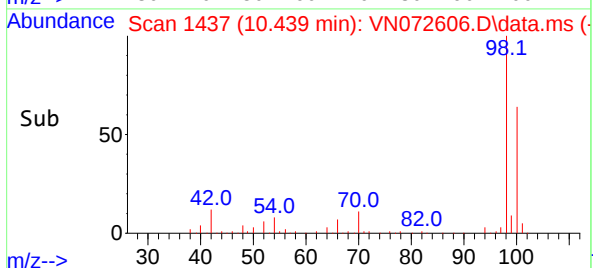
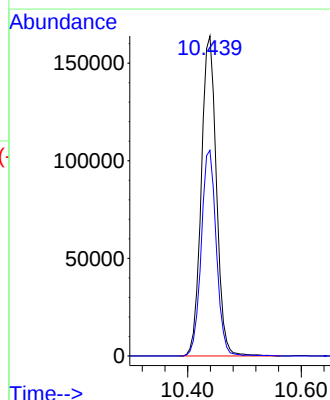
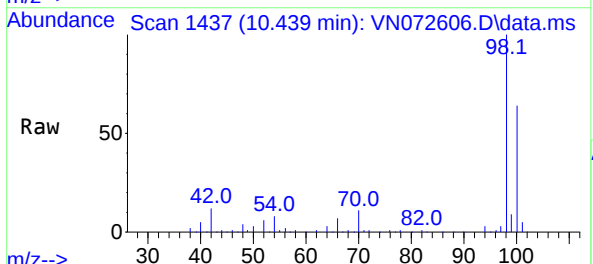
Instrument :  
MSVOA\_N  
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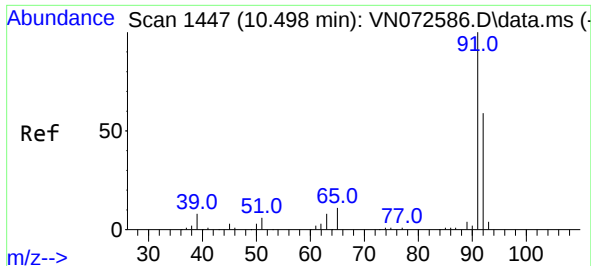
Tgt Ion: 78 Resp: 108869  
Ion Ratio Lower Upper  
78 100  
77 25.2 19.4 29.0



#50  
Toluene-d8  
Concen: 50.727 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

Tgt Ion: 98 Resp: 303094  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.6 78.8

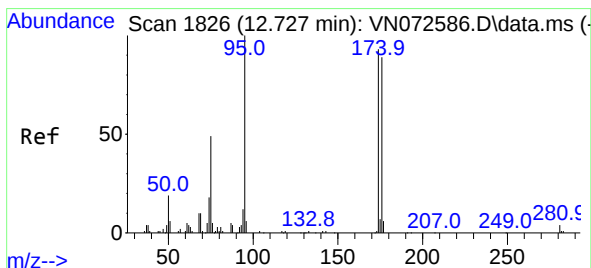
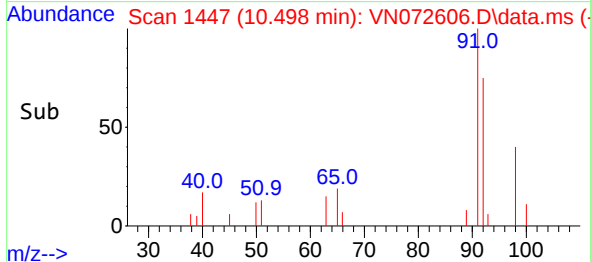
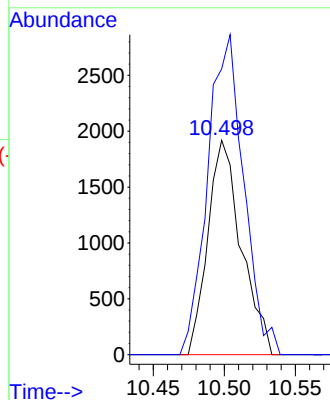
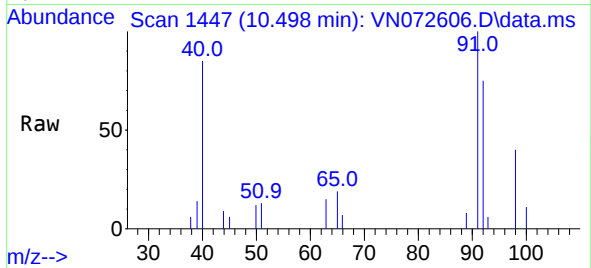




#52  
Toluene  
Concen: 0.694 ug/l  
RT: 10.498 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

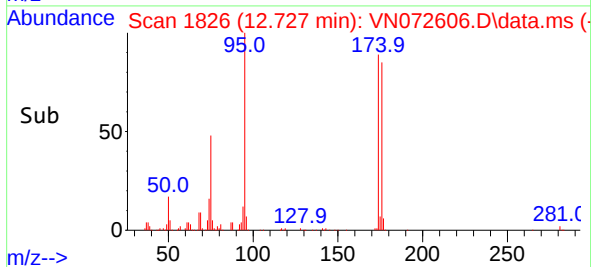
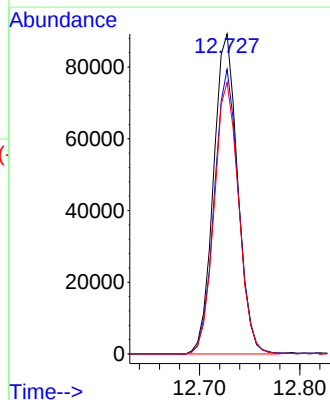
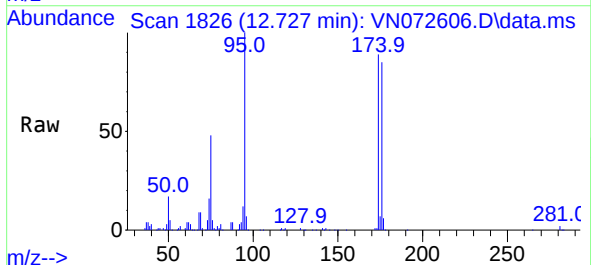
Instrument :  
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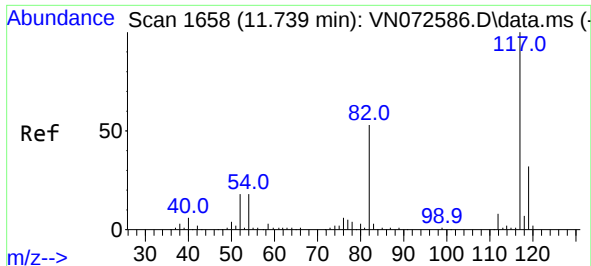
Tgt Ion: 92 Resp: 3141  
Ion Ratio Lower Upper  
92 100  
91 160.9 138.6 207.8



#62  
4-Bromofluorobenzene  
Concen: 76.566 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

Tgt Ion: 95 Resp: 148791  
Ion Ratio Lower Upper  
95 100  
174 89.3 0.0 167.6  
176 85.9 0.0 163.4

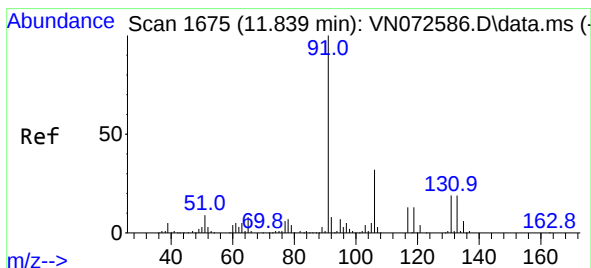
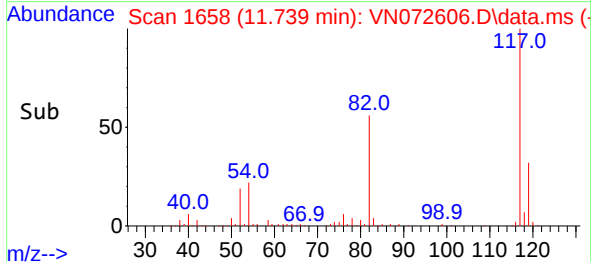
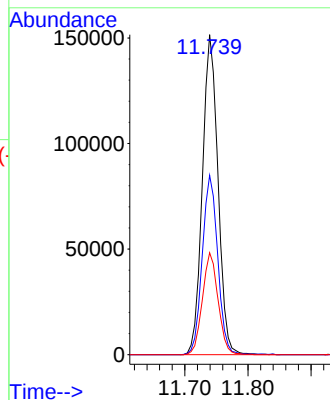
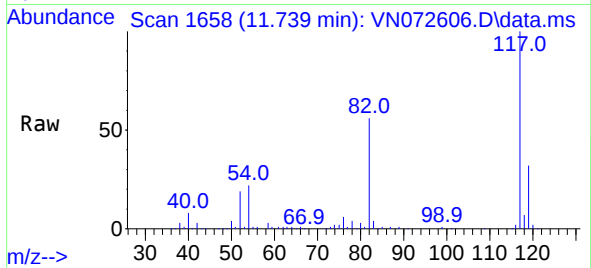




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

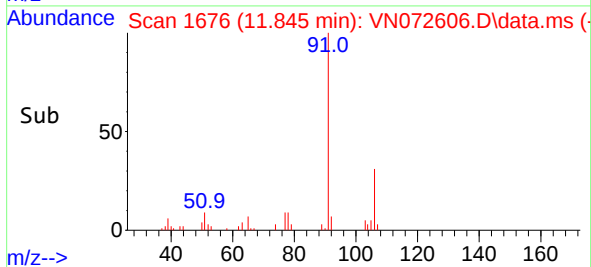
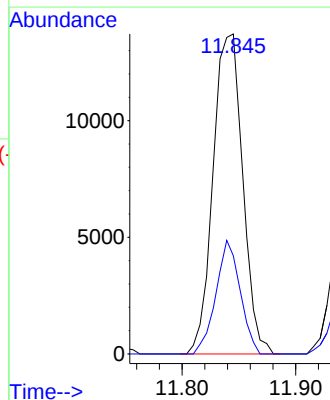
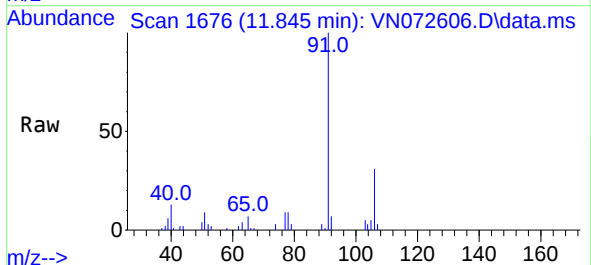
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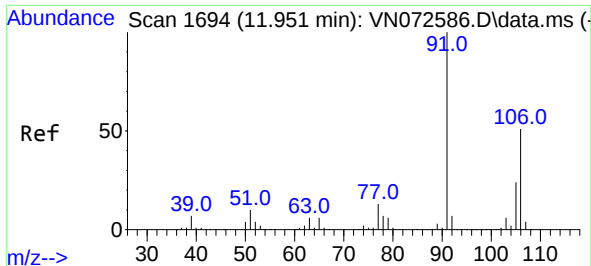
Tgt Ion:117 Resp: 260271  
Ion Ratio Lower Upper  
117 100  
82 56.0 44.2 66.2  
119 31.9 25.4 38.0



#67  
Ethyl Benzene  
Concen: 2.504 ug/l  
RT: 11.845 min Scan# 1676  
Delta R.T. 0.006 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

Tgt Ion: 91 Resp: 24825  
Ion Ratio Lower Upper  
91 100  
106 30.7 24.9 37.3

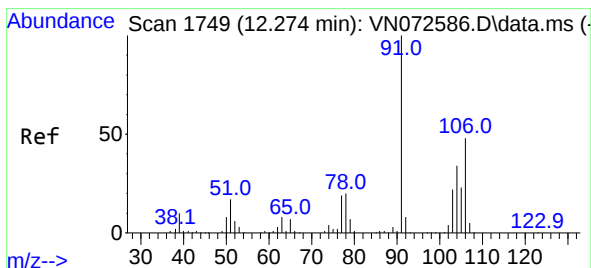
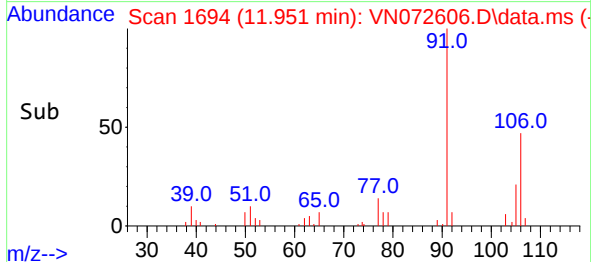
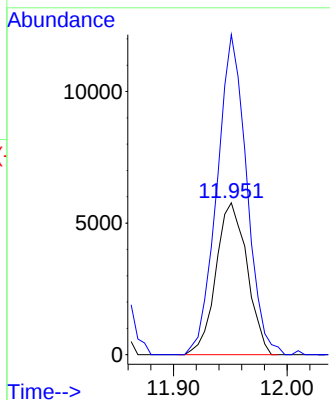
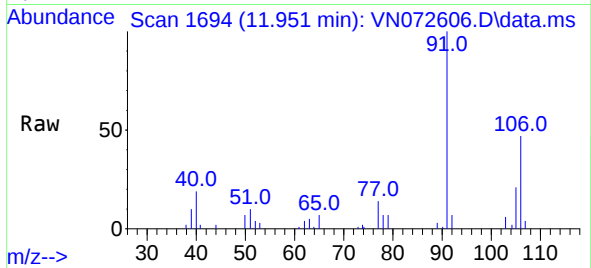




#68  
m/p-Xylenes  
Concen: 2.909 ug/l  
RT: 11.951 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

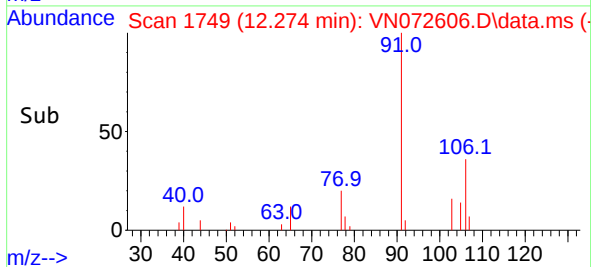
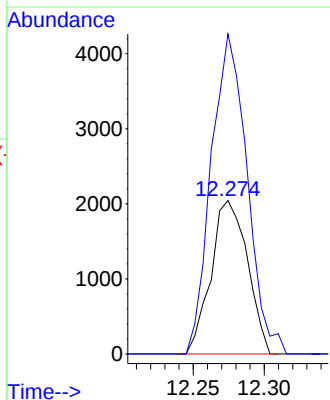
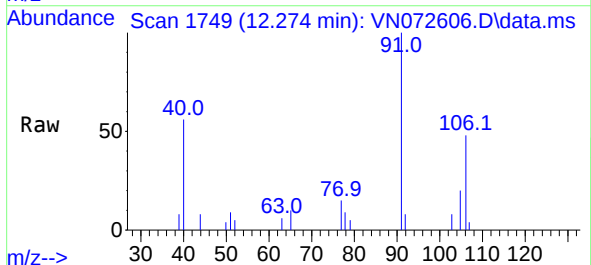
Instrument :  
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ClientSampleId :  
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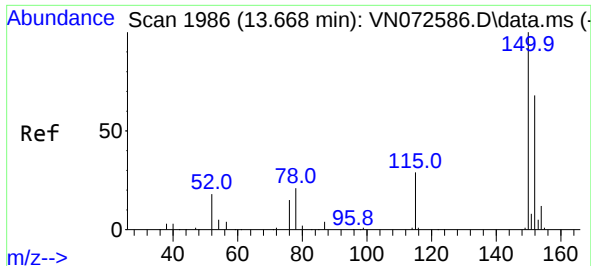
Tgt Ion:106 Resp: 10990  
Ion Ratio Lower Upper  
106 100  
91 201.1 158.9 238.3



#69  
o-Xylene  
Concen: 0.998 ug/l  
RT: 12.274 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

Tgt Ion:106 Resp: 3646  
Ion Ratio Lower Upper  
106 100  
91 205.4 106.0 318.0

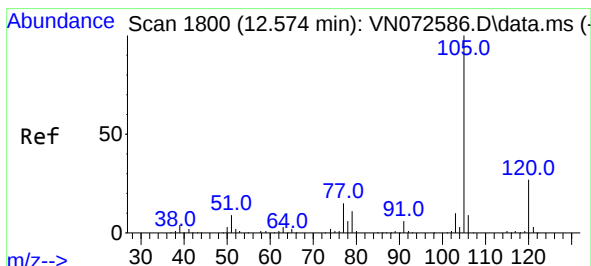
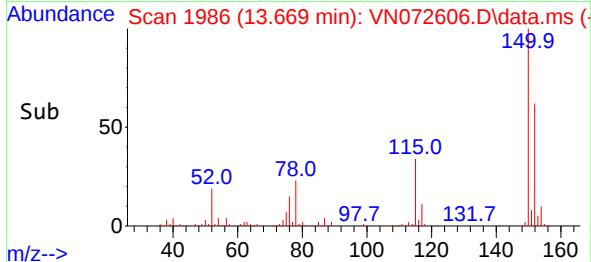
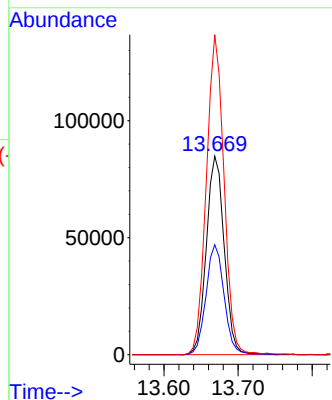
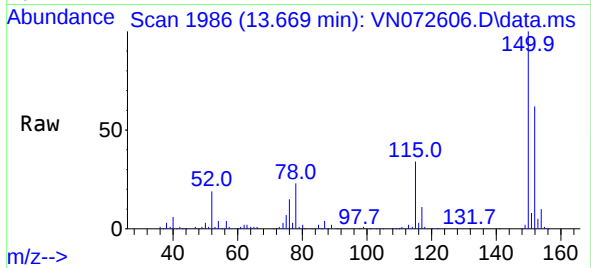




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.669 min Scan# 1986  
Delta R.T. 0.001 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

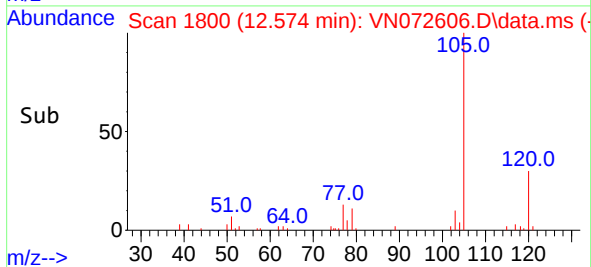
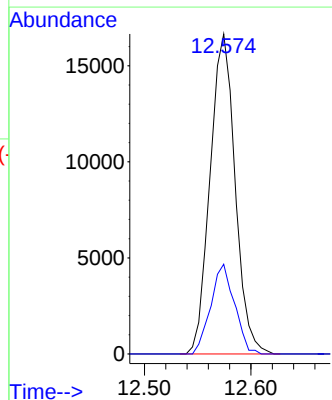
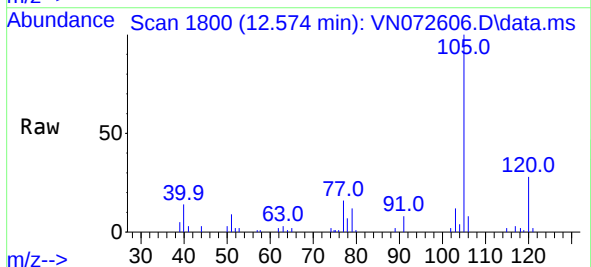
Instrument :  
MSVOA\_N  
ClientSampleId :  
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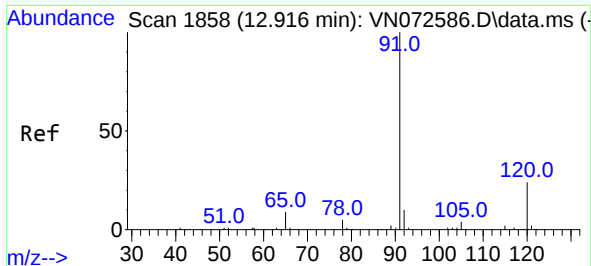
Tgt Ion:152 Resp: 142677  
Ion Ratio Lower Upper  
152 100  
115 56.1 28.9 86.7  
150 158.6 0.0 356.2



#73  
Isopropylbenzene  
Concen: 2.138 ug/l  
RT: 12.574 min Scan# 1800  
Delta R.T. 0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

Tgt Ion:105 Resp: 27176  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.5 40.4

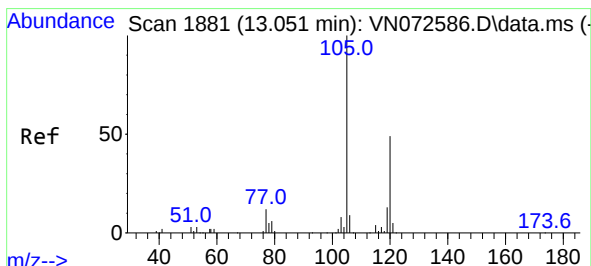
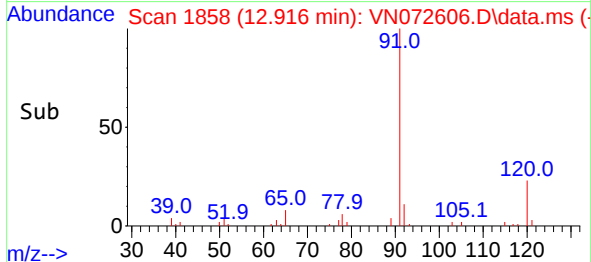
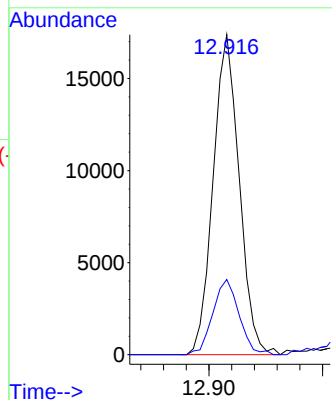
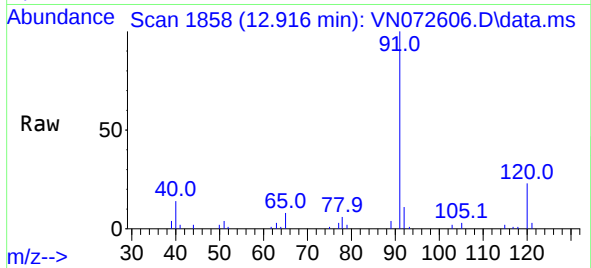




#78  
n-propylbenzene  
Concen: 1.965 ug/l  
RT: 12.916 min Scan# 1858  
Delta R.T. -0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

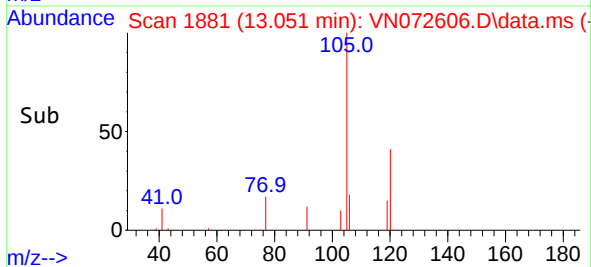
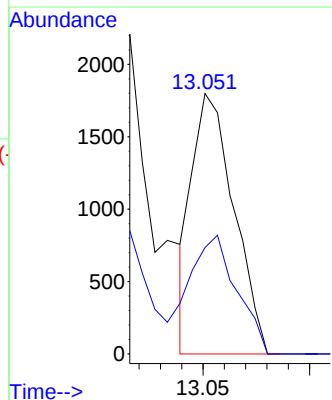
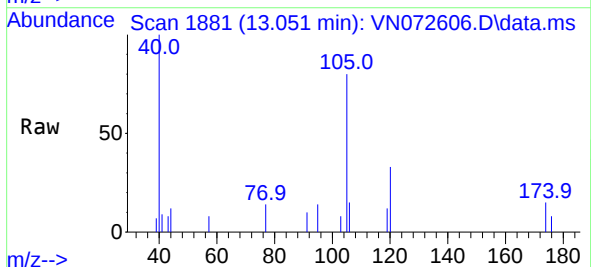
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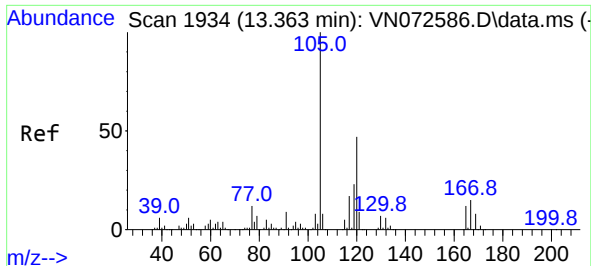
Tgt Ion: 91 Resp: 27691  
Ion Ratio Lower Upper  
91 100  
120 23.6 11.9 35.5



#80  
1,3,5-Trimethylbenzene  
Concen: 0.248 ug/l  
RT: 13.051 min Scan# 1881  
Delta R.T. -0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

Tgt Ion: 105 Resp: 2452  
Ion Ratio Lower Upper  
105 100  
120 52.0 24.9 74.7

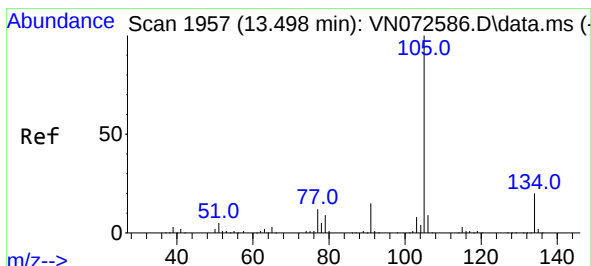
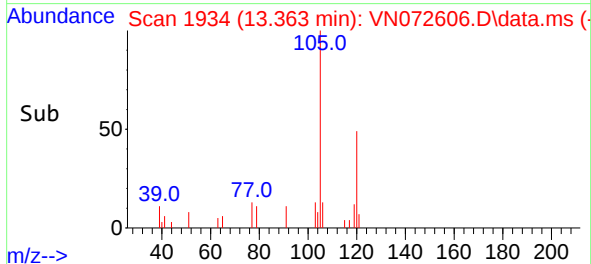
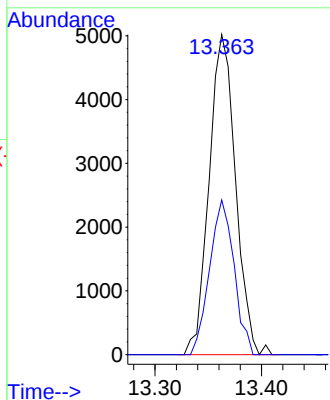
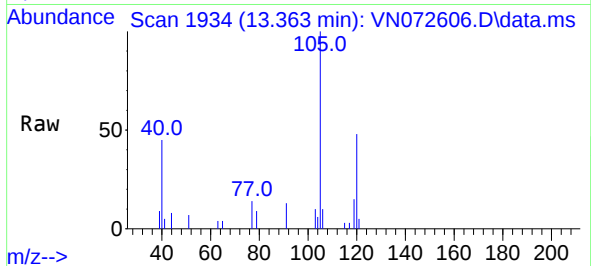




#84  
1,2,4-Trimethylbenzene  
Concen: 0.893 ug/l  
RT: 13.363 min Scan# 1934  
Delta R.T. -0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

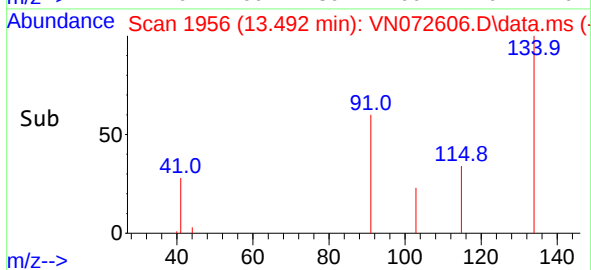
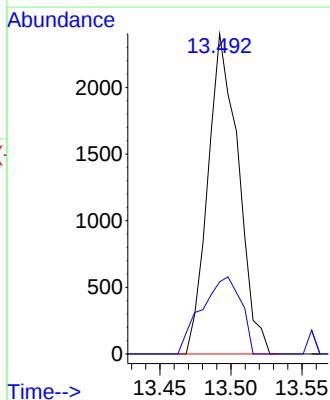
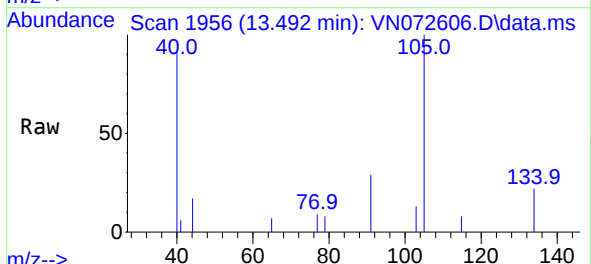
Instrument :  
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ClientSampleId :  
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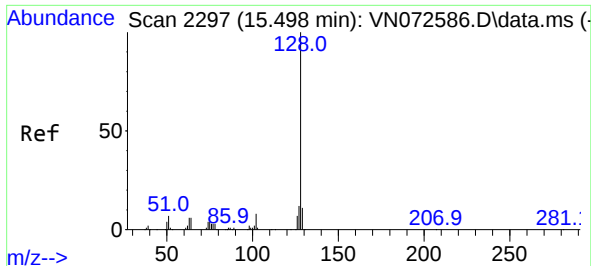
Tgt Ion:105 Resp: 8652  
Ion Ratio Lower Upper  
105 100  
120 44.6 23.3 69.8



#85  
sec-Butylbenzene  
Concen: 0.291 ug/l  
RT: 13.492 min Scan# 1956  
Delta R.T. -0.006 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

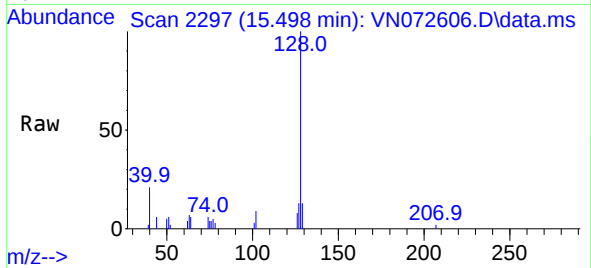
Tgt Ion:105 Resp: 3582  
Ion Ratio Lower Upper  
105 100  
134 31.3 10.4 31.1#





#95  
Naphthalene  
Concen: 2.112 ug/l  
RT: 15.498 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN072606.D  
Acq: 24 May 2022 23:20

Instrument :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 18756 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 14.0  | 10.3  | 15.5  |
| 129      | 10.8  | 8.6   | 13.0  |

