

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081322\  
 Data File : VN073879.D  
 Acq On : 13 Aug 2022 19:42  
 Operator : JC\MD  
 Sample : PB146976ZHE#05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB146976ZHE#05

Quant Time: Aug 14 02:38:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 05:09:32 2022  
 Response via : Initial Calibration

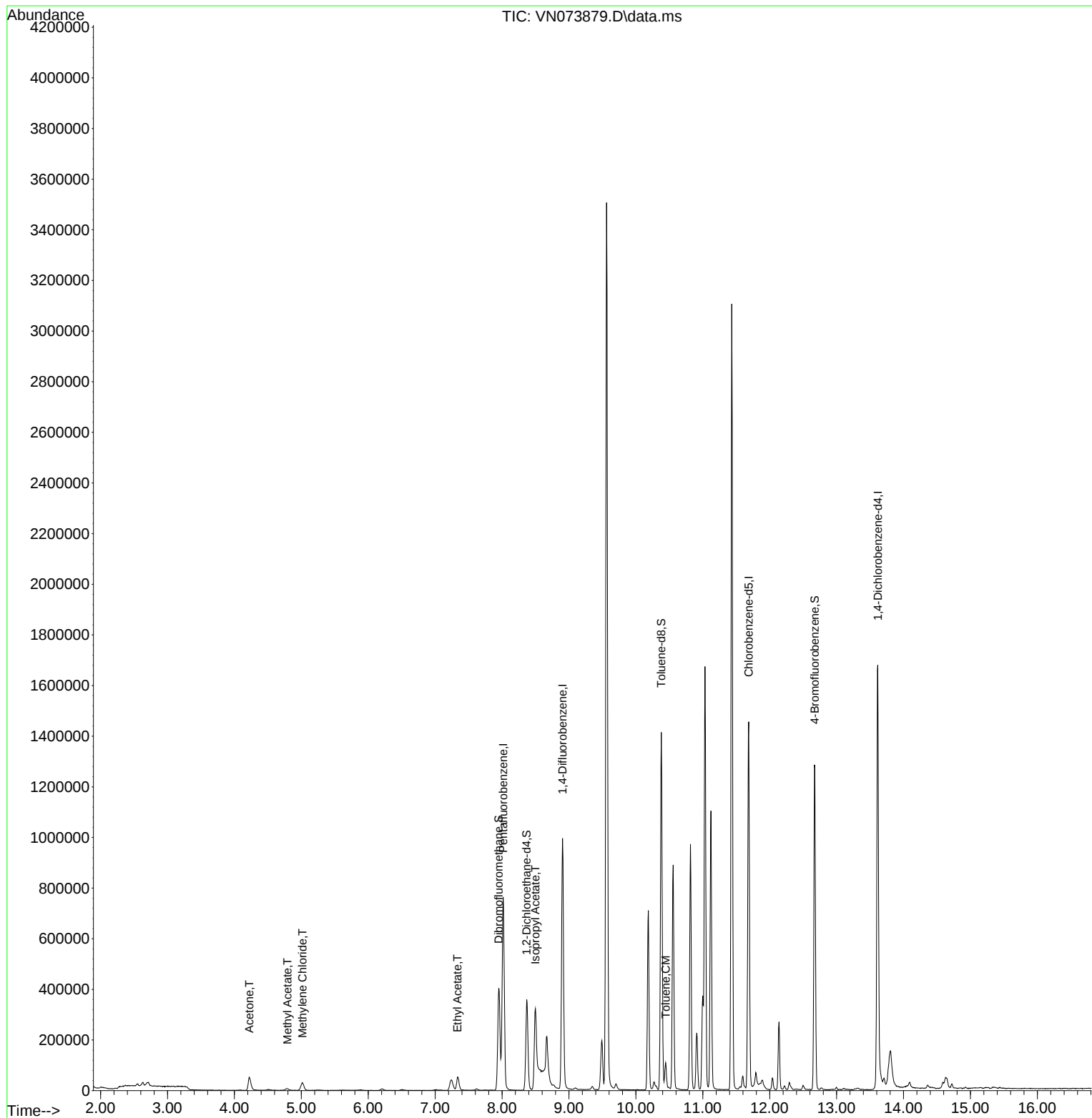
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.016  | 168   | 658812   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.904  | 114   | 945027   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.686 | 117   | 911687   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.616 | 152   | 493495   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.369  | 65    | 296028   | 36.871   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 73.740%# |
| 35) Dibromofluoromethane    | 7.951  | 113   | 294664   | 49.655   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 99.320%  |
| 50) Toluene-d8              | 10.380 | 98    | 994788   | 42.600   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 85.200%# |
| 62) 4-Bromofluorobenzene    | 12.674 | 95    | 419162   | 51.070   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 102.140% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.222  | 43    | 96691    | 22.422   | ug/l   | 94       |
| 18) Methyl Acetate          | 4.793  | 43    | 14341    | 1.337    | ug/l   | 94       |
| 20) Methylene Chloride      | 5.016  | 84    | 25564    | 1.528    | ug/l   | 96       |
| 37) Ethyl Acetate           | 7.334  | 43    | 77969    | 7.000    | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.498  | 43    | 475601   | 31.613   | ug/l # | 83       |
| 52) Toluene                 | 10.445 | 92    | 46830    | 2.792    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

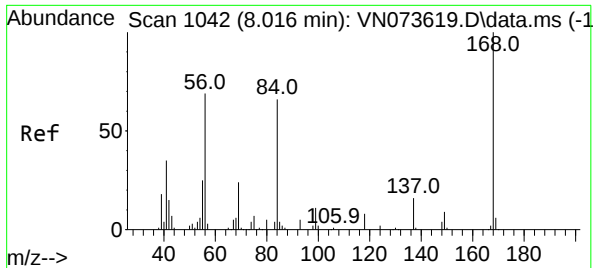
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
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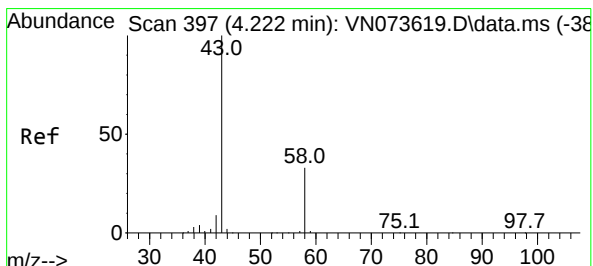
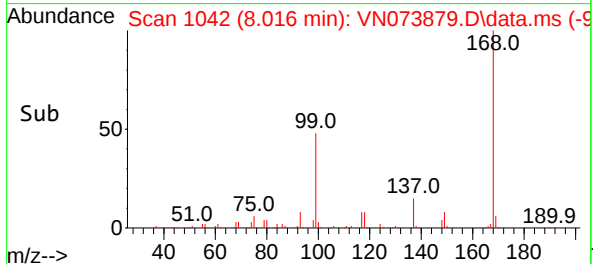
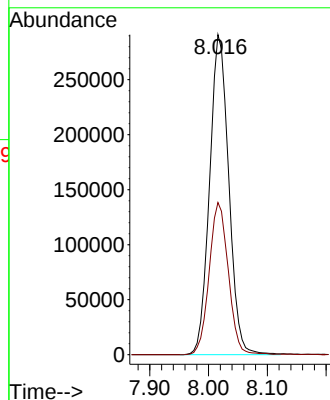
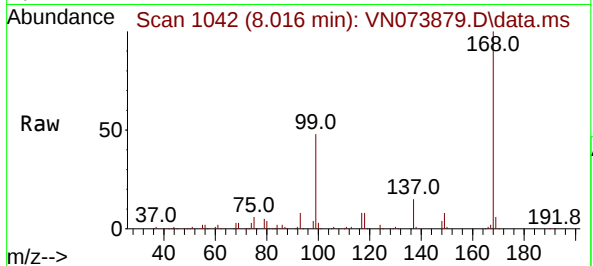




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN073879.D  
Acq: 13 Aug 2022 19:42

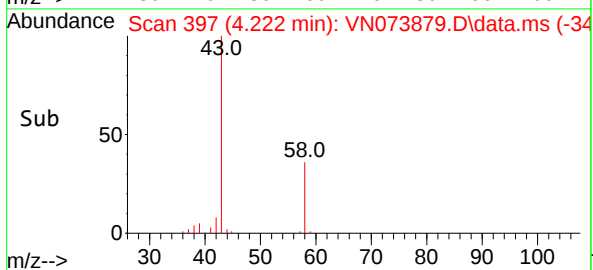
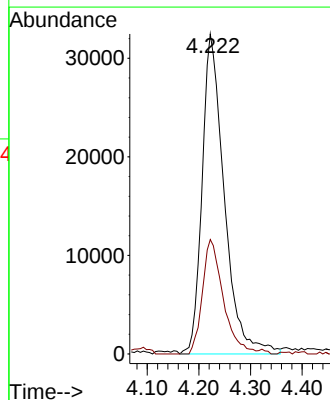
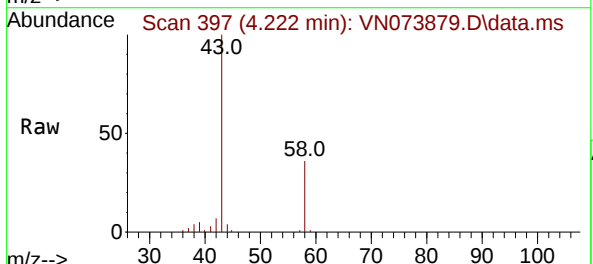
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB146976ZHE#05

Tgt Ion:168 Resp: 658812  
Ion Ratio Lower Upper  
168 100  
99 47.5 42.3 63.5



#16  
Acetone  
Concen: 22.422 ug/l  
RT: 4.222 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VN073879.D  
Acq: 13 Aug 2022 19:42

Tgt Ion: 43 Resp: 96691  
Ion Ratio Lower Upper  
43 100  
58 35.7 26.0 39.0

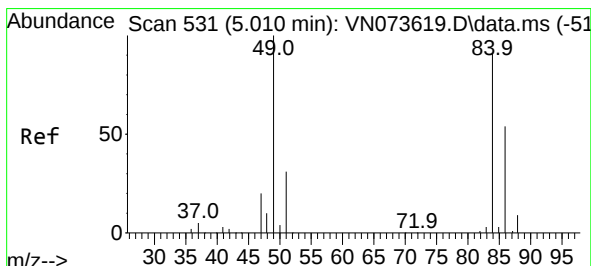
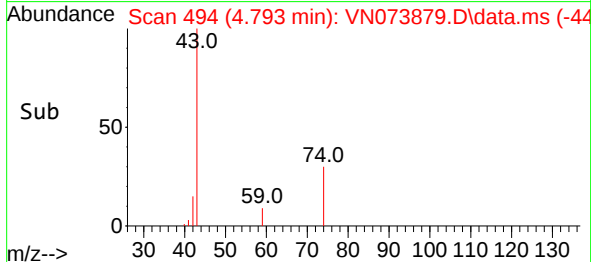
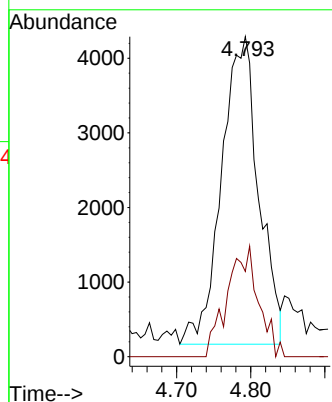
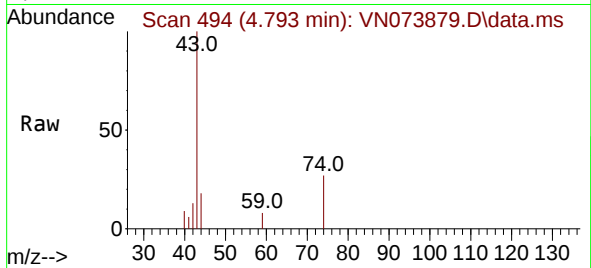




#18  
Methyl Acetate  
Concen: 1.337 ug/l  
RT: 4.793 min Scan# 494  
Delta R.T. 0.012 min  
Lab File: VN073879.D  
Acq: 13 Aug 2022 19:42

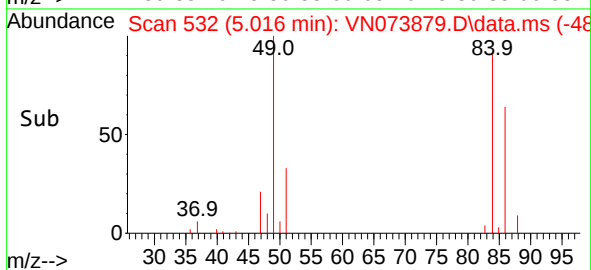
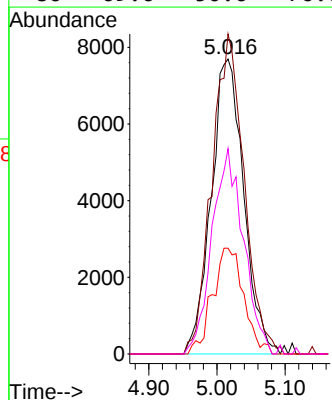
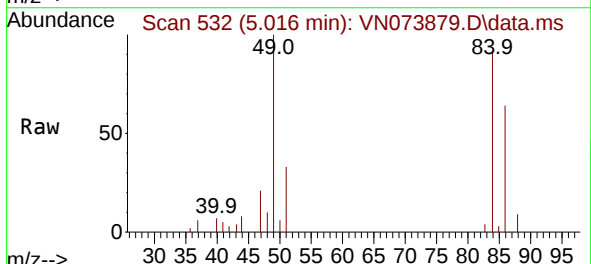
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB146976ZHE#05

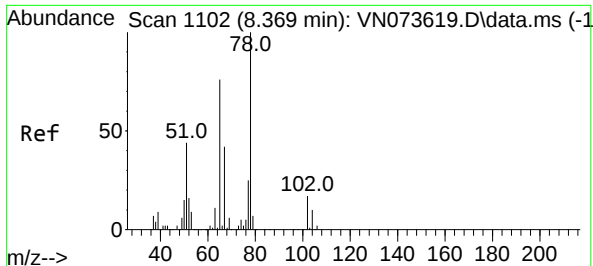
Tgt Ion: 43 Resp: 14341  
Ion Ratio Lower Upper  
43 100  
74 30.1 21.6 32.4



#20  
Methylene Chloride  
Concen: 1.528 ug/l  
RT: 5.016 min Scan# 532  
Delta R.T. 0.006 min  
Lab File: VN073879.D  
Acq: 13 Aug 2022 19:42

Tgt Ion: 84 Resp: 25564  
Ion Ratio Lower Upper  
84 100  
49 108.5 88.3 132.5  
51 35.8 28.2 42.2  
86 69.6 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 36.871 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073879.D

Acq: 13 Aug 2022 19:42

Instrument :

MSVOA\_N

ClientSampleId :

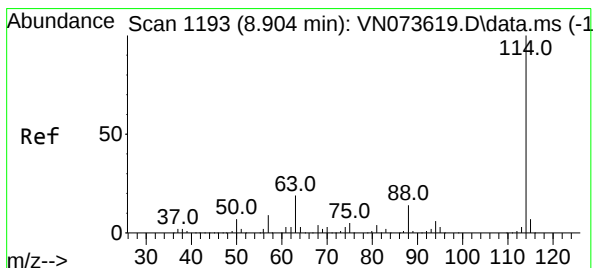
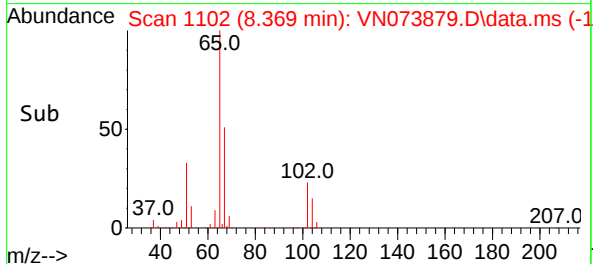
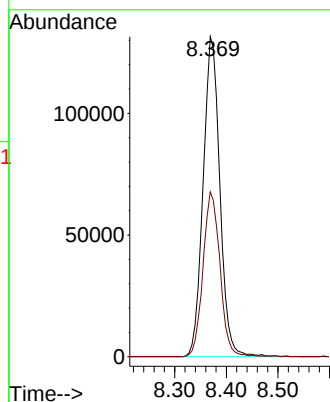
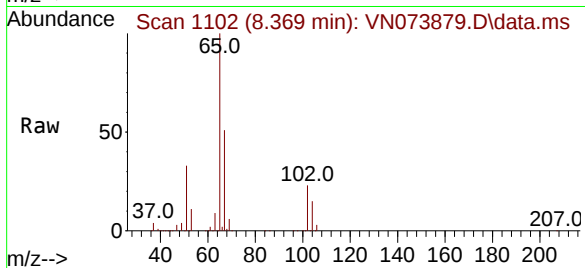
PB146976ZHE#05

Tgt Ion: 65 Resp: 296028

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073879.D

Acq: 13 Aug 2022 19:42

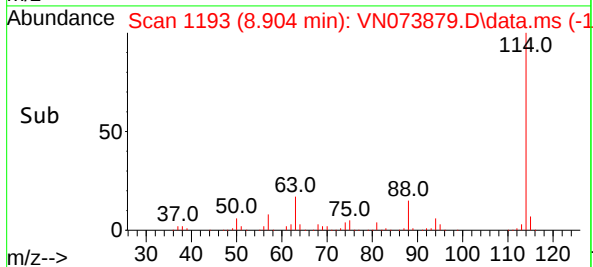
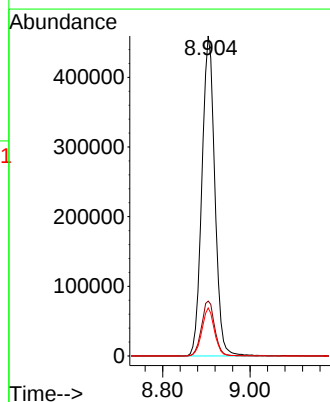
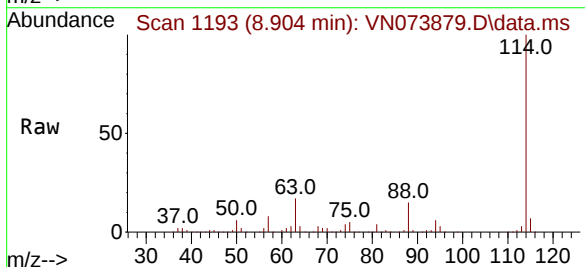
Tgt Ion: 114 Resp: 945027

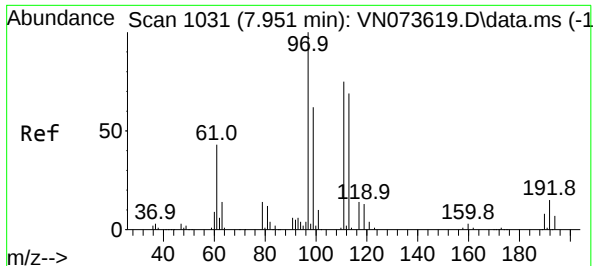
Ion Ratio Lower Upper

114 100

63 17.2 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.655 ug/l

RT: 7.951 min Scan# 110

Delta R.T. 0.000 min

Lab File: VN073879.D

Acq: 13 Aug 2022 19:42

Instrument :

MSVOA\_N

ClientSampleId :

PB146976ZHE#05

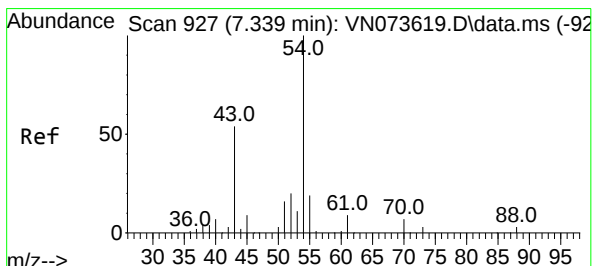
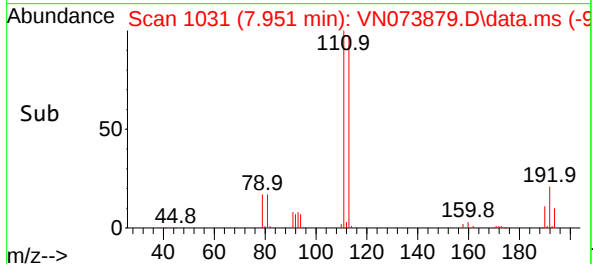
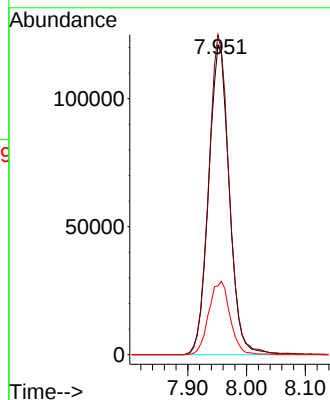
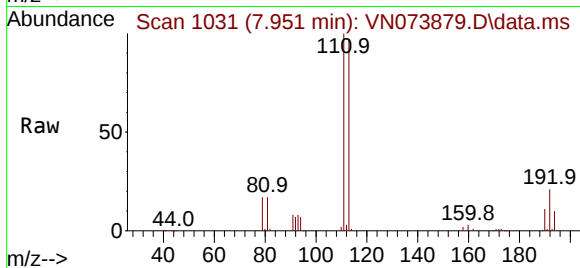
Tgt Ion:113 Resp: 294664

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 24.4 17.0 25.6



#37

Ethyl Acetate

Concen: 7.000 ug/l

RT: 7.334 min Scan# 926

Delta R.T. -0.006 min

Lab File: VN073879.D

Acq: 13 Aug 2022 19:42

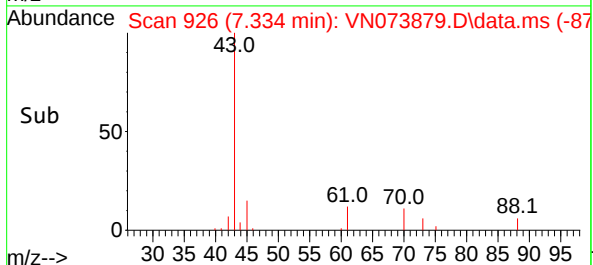
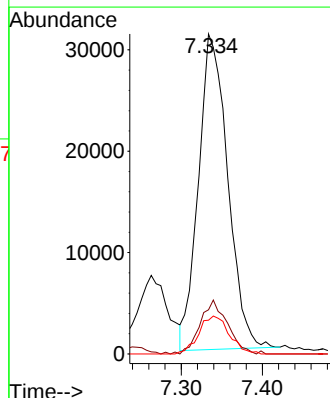
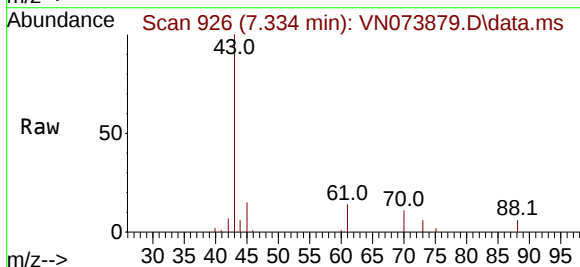
Tgt Ion: 43 Resp: 77969

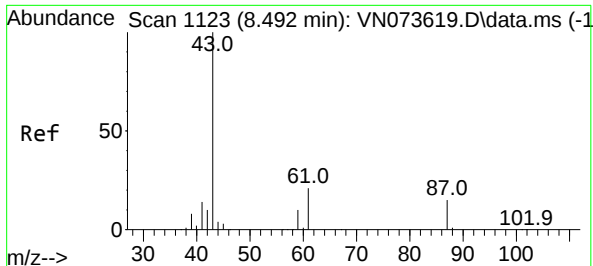
Ion Ratio Lower Upper

43 100

61 15.9 11.8 17.6

70 12.5 9.3 13.9

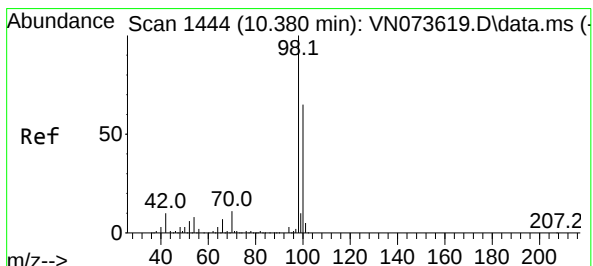
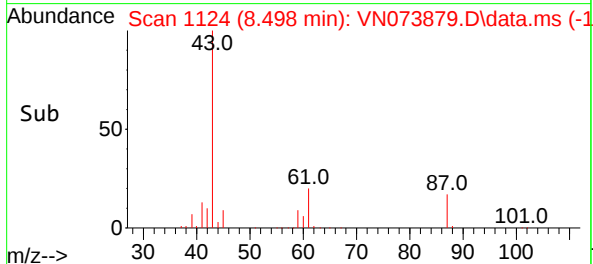
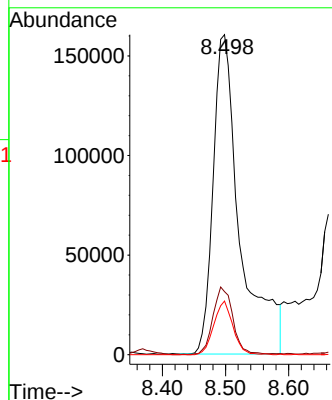
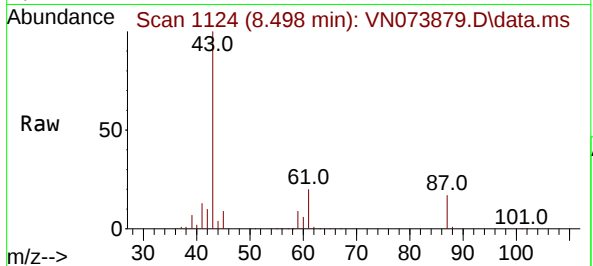




#43  
Isopropyl Acetate  
Concen: 31.613 ug/l  
RT: 8.498 min Scan# 1123  
Delta R.T. 0.006 min  
Lab File: VN073879.D  
Acq: 13 Aug 2022 19:42

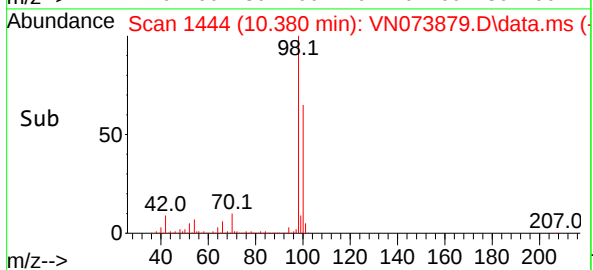
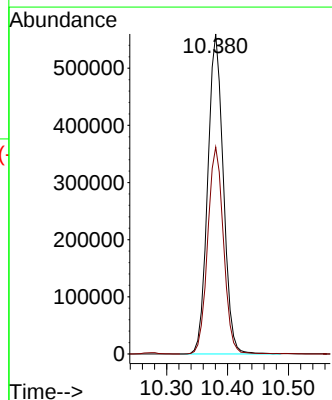
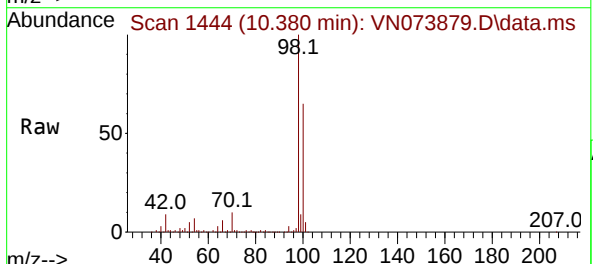
Instrument :  
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PB146976ZHE#05

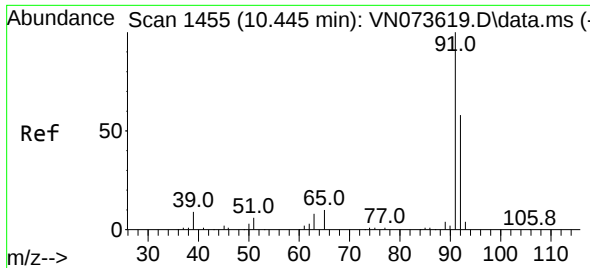
Tgt Ion: 43 Resp: 475601  
Ion Ratio Lower Upper  
43 100  
61 15.8 21.9 32.9#  
87 11.9 12.0 18.0#



#50  
Toluene-d8  
Concen: 42.600 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN073879.D  
Acq: 13 Aug 2022 19:42

Tgt Ion: 98 Resp: 994788  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.6 78.8

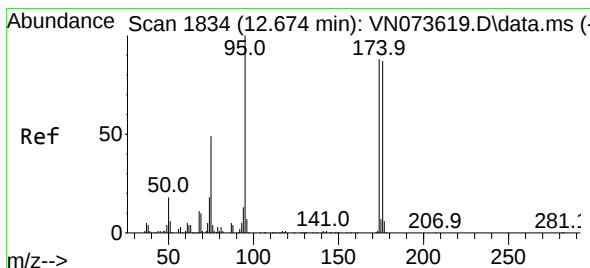
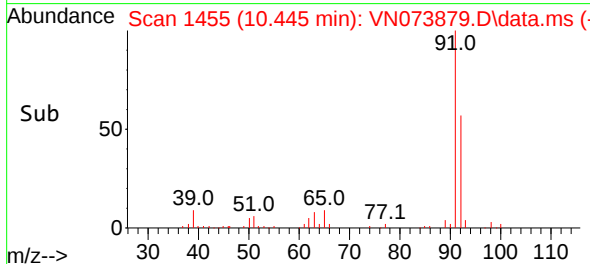
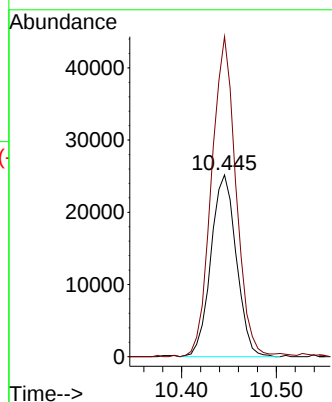
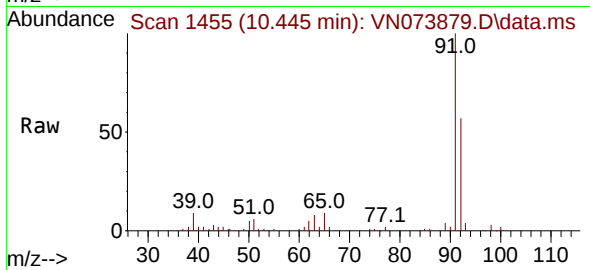




#52  
Toluene  
Concen: 2.792 ug/l  
RT: 10.445 min Scan# 1455  
Delta R.T. 0.000 min  
Lab File: VN073879.D  
Acq: 13 Aug 2022 19:42

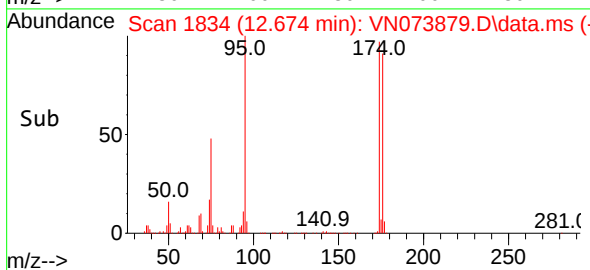
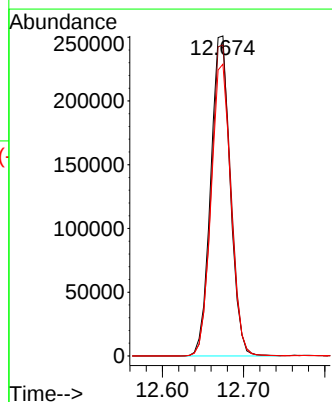
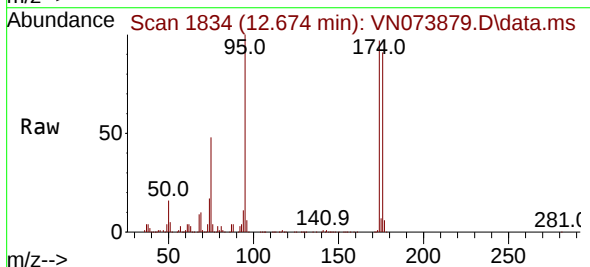
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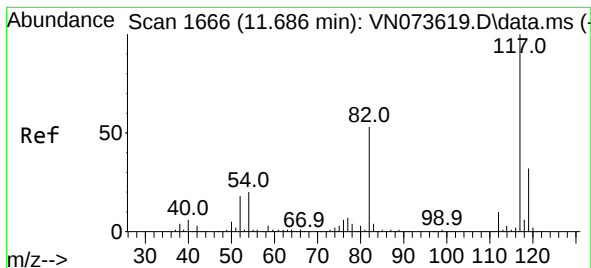
Tgt Ion: 92 Resp: 46830  
Ion Ratio Lower Upper  
92 100  
91 171.1 138.6 207.8



#62  
4-Bromofluorobenzene  
Concen: 51.070 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073879.D  
Acq: 13 Aug 2022 19:42

Tgt Ion: 95 Resp: 419162  
Ion Ratio Lower Upper  
95 100  
174 97.6 0.0 167.6  
176 92.5 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073879.D

Acq: 13 Aug 2022 19:42

Instrument :

MSVOA\_N

ClientSampleId :

PB146976ZHE#05

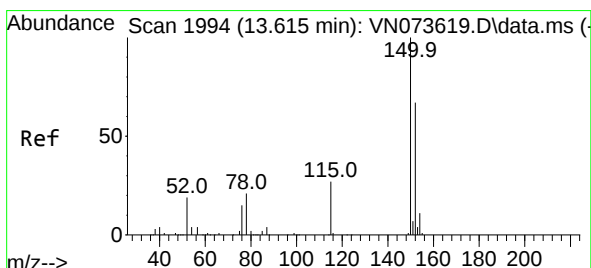
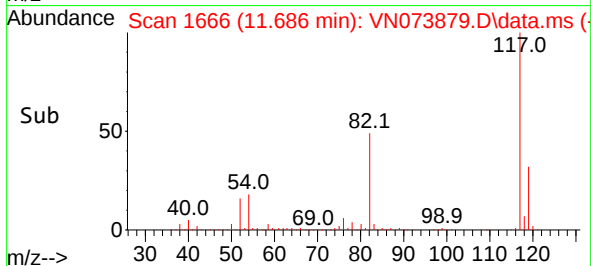
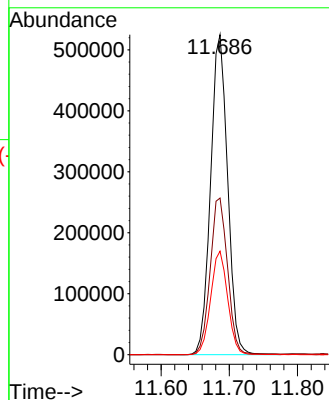
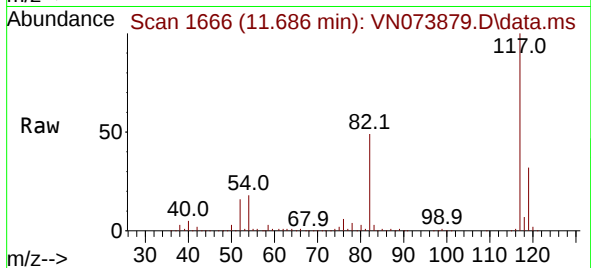
Tgt Ion:117 Resp: 911687

Ion Ratio Lower Upper

117 100

82 49.0 44.2 66.2

119 32.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN073879.D

Acq: 13 Aug 2022 19:42

Tgt Ion:152 Resp: 493495

Ion Ratio Lower Upper

152 100

115 53.1 28.9 86.7

150 155.4 0.0 356.2

