

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082422\  
 Data File : VN074102.D  
 Acq On : 24 Aug 2022 19:33  
 Operator : JC\MD  
 Sample : N4280-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TT149S-20220817

Quant Time: Aug 25 07:56:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 00:45:21 2022  
 Response via : Initial Calibration

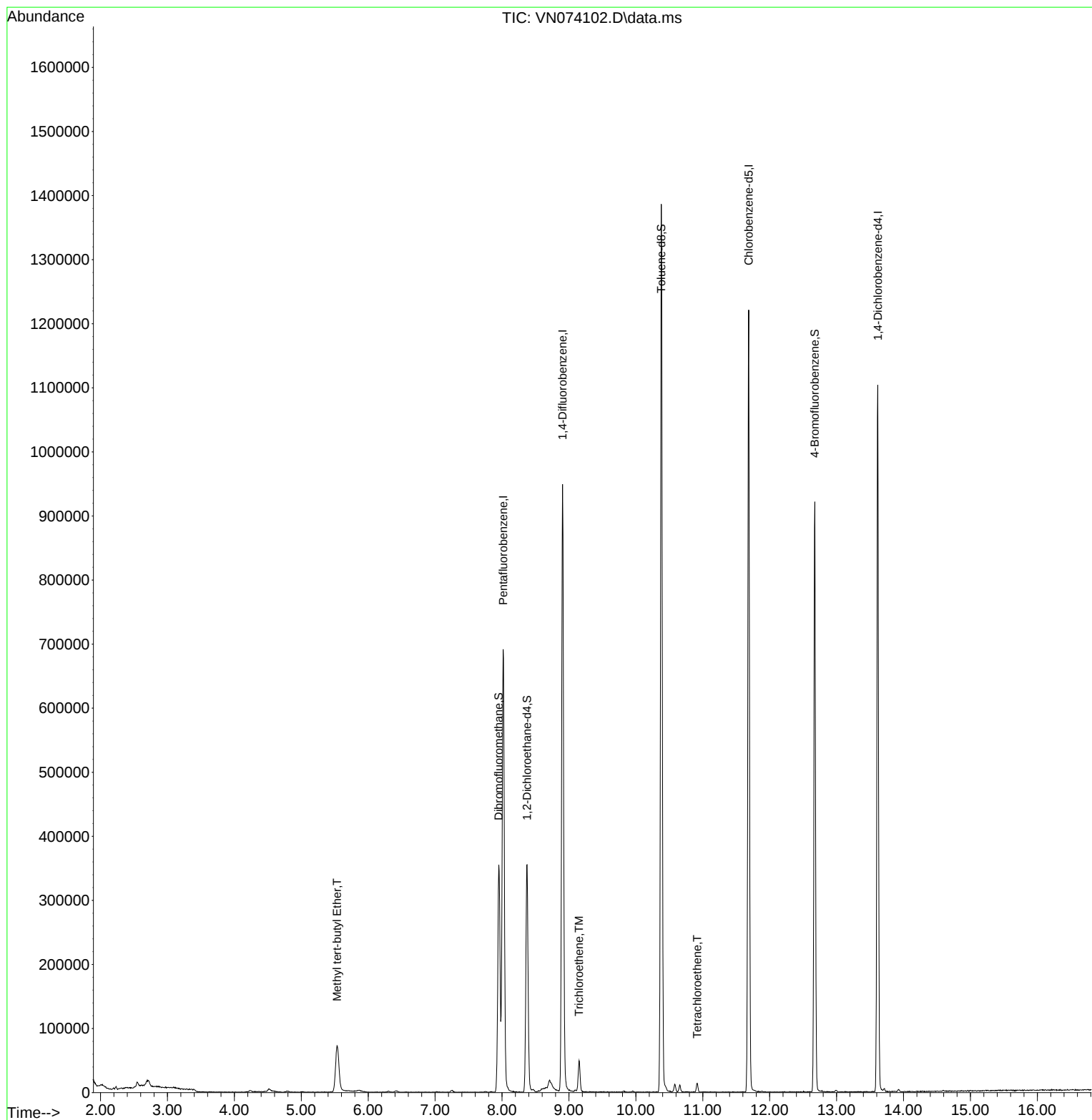
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.016     | 168   | 582672   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.904     | 114   | 887666   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.686    | 117   | 741783   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.616    | 152   | 317133   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.375     | 65    | 298205   | 52.545   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 105.100% |
| 35) Dibromofluoromethane    | 7.951     | 113   | 264752   | 50.433   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 100.860% |
| 50) Toluene-d8              | 10.381    | 98    | 982990   | 48.349   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 96.700%  |
| 62) 4-Bromofluorobenzene    | 12.674    | 95    | 306291   | 45.393   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 90.780%  |
| Target Compounds            |           |       |          |          |        | Qvalue   |
| 19) Methyl tert-butyl Ether | 5.534     | 73    | 118808   | 7.173    | ug/l   | 97       |
| 44) Trichloroethene         | 9.151     | 130   | 18276    | 2.750    | ug/l   | 94       |
| 64) Tetrachloroethene       | 10.916    | 164   | 3729     | 0.637    | ug/l # | 70       |
| -----                       |           |       |          |          |        |          |

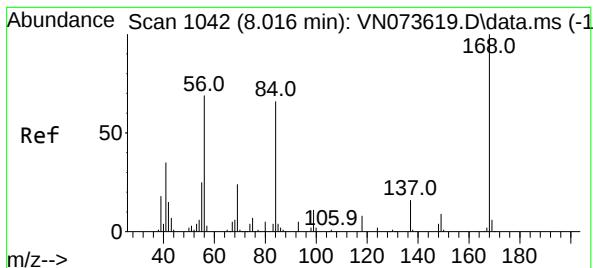
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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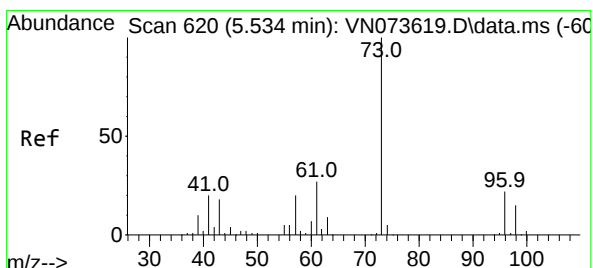
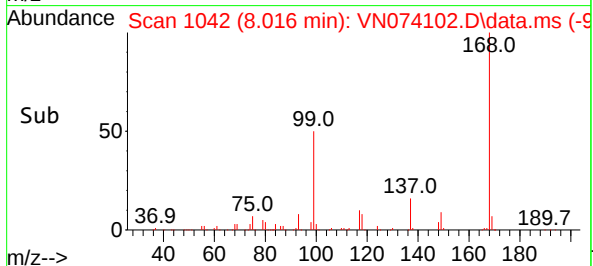
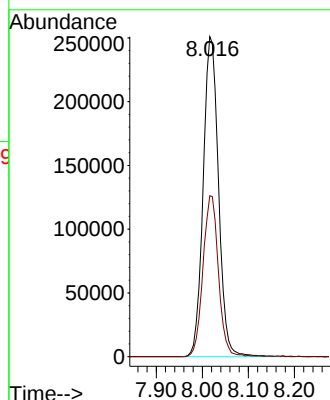
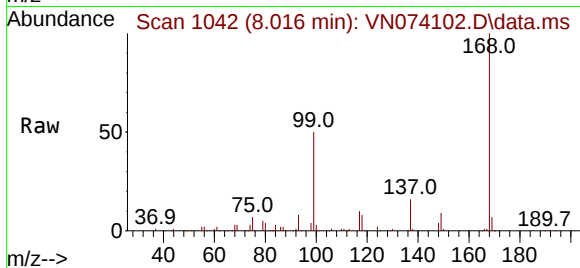




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN074102.D  
Acq: 24 Aug 2022 19:33

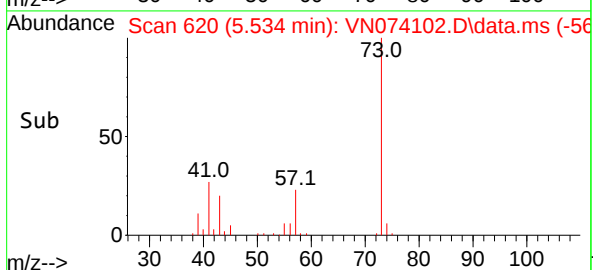
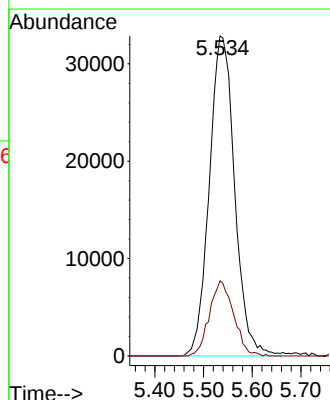
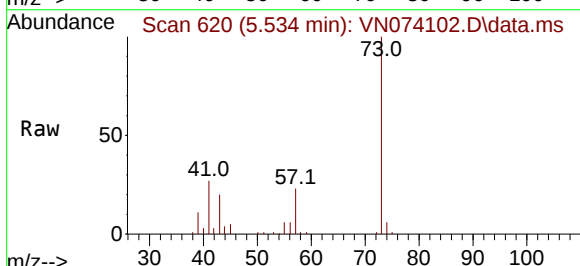
Instrument :  
MSVOA\_N  
ClientSampleId :  
TT149S-20220817

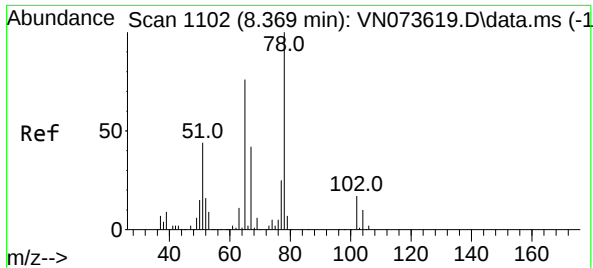
Tgt Ion:168 Resp: 582672  
Ion Ratio Lower Upper  
168 100  
99 50.3 42.3 63.5



#19  
Methyl tert-butyl Ether  
Concen: 7.173 ug/l  
RT: 5.534 min Scan# 620  
Delta R.T. -0.000 min  
Lab File: VN074102.D  
Acq: 24 Aug 2022 19:33

Tgt Ion: 73 Resp: 118808  
Ion Ratio Lower Upper  
73 100  
57 23.5 17.6 26.4





#33

1,2-Dichloroethane-d4

Concen: 52.545 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074102.D

Acq: 24 Aug 2022 19:33

Instrument :

MSVOA\_N

ClientSampleId :

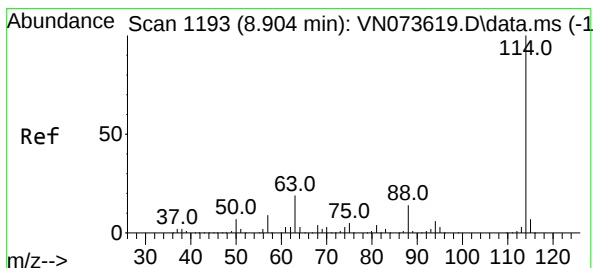
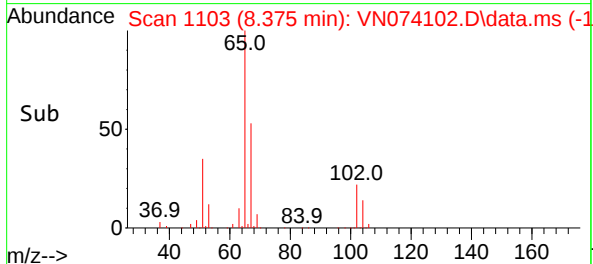
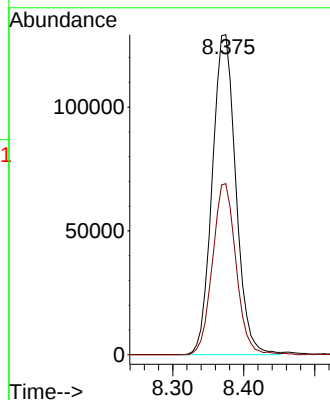
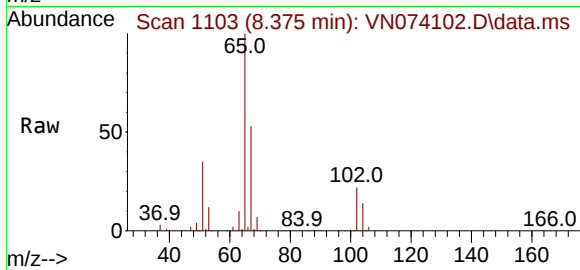
TT149S-20220817

Tgt Ion: 65 Resp: 298205

Ion Ratio Lower Upper

65 100

67 53.4 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: VN074102.D

Acq: 24 Aug 2022 19:33

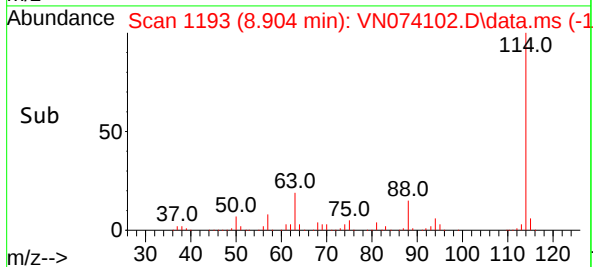
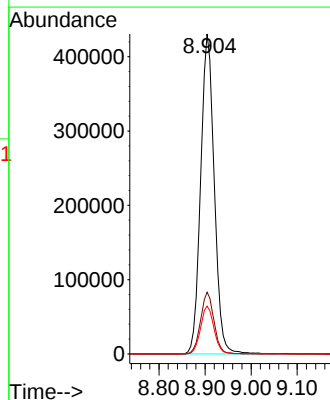
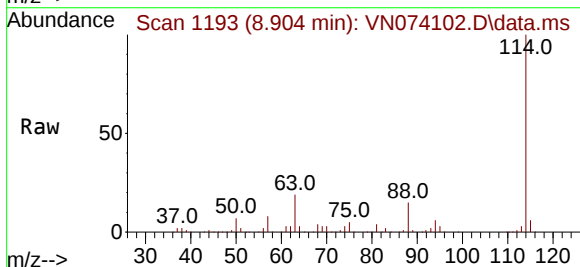
Tgt Ion: 114 Resp: 887666

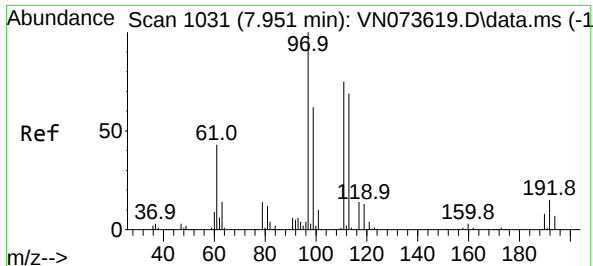
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.433 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074102.D

Acq: 24 Aug 2022 19:33

Instrument :

MSVOA\_N

ClientSampleId :

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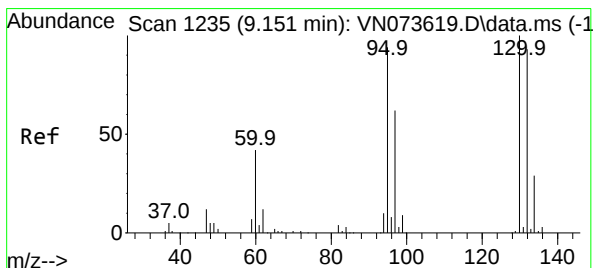
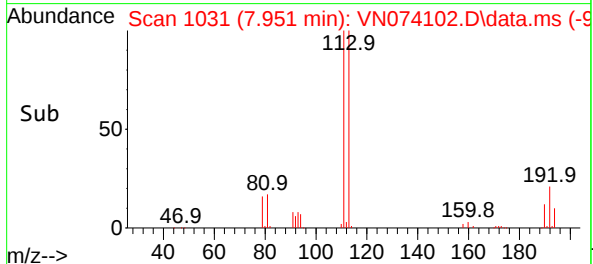
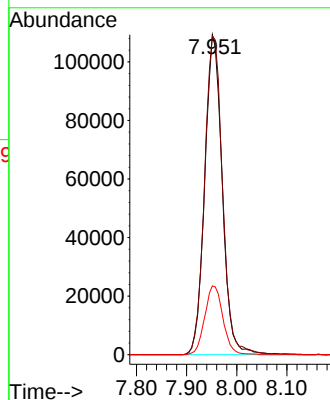
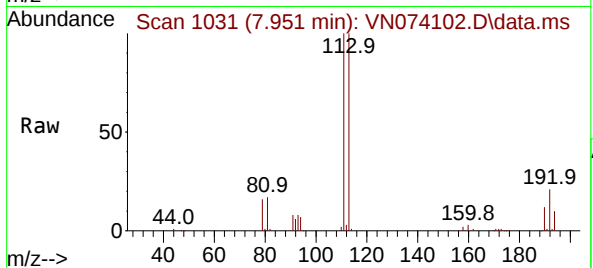
Tgt Ion:113 Resp: 264752

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 22.4 17.0 25.6



#44

Trichloroethene

Concen: 2.750 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VN074102.D

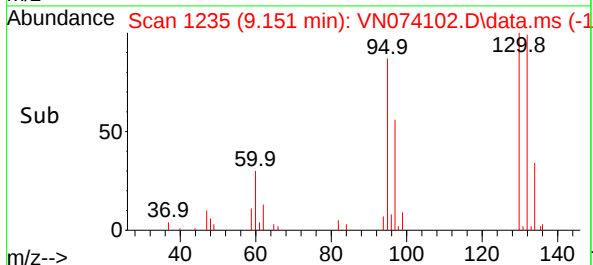
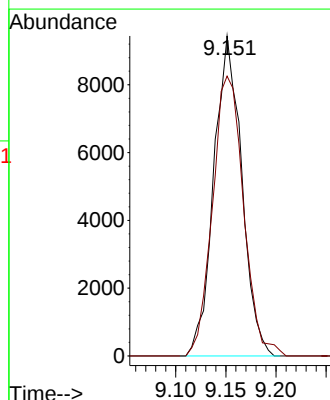
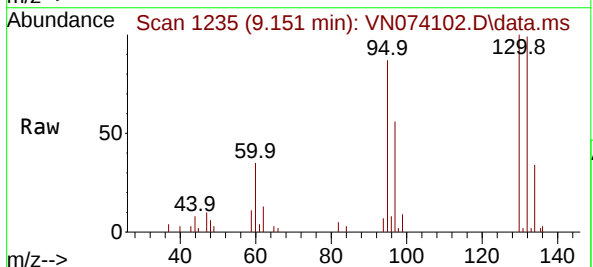
Acq: 24 Aug 2022 19:33

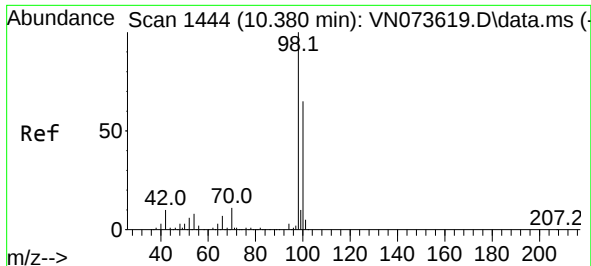
Tgt Ion:130 Resp: 18276

Ion Ratio Lower Upper

130 100

95 87.4 0.0 186.8

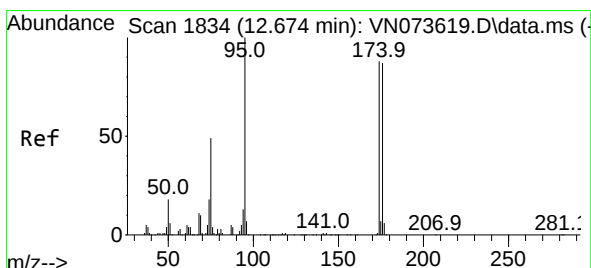
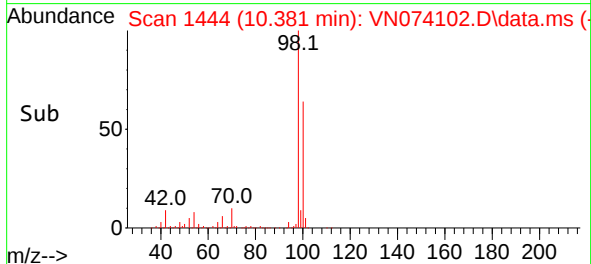
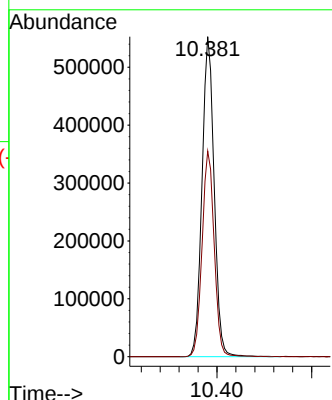
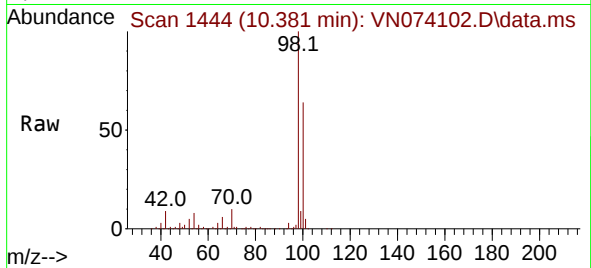




#50  
Toluene-d8  
Concen: 48.349 ug/l  
RT: 10.381 min Scan# 1444  
Delta R.T. 0.001 min  
Lab File: VN074102.D  
Acq: 24 Aug 2022 19:33

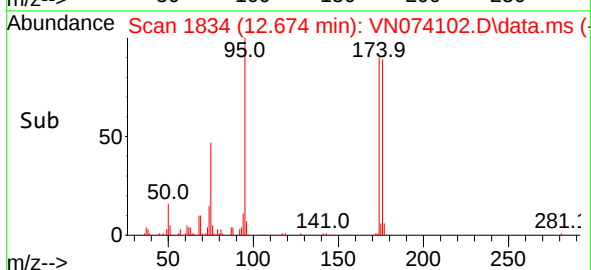
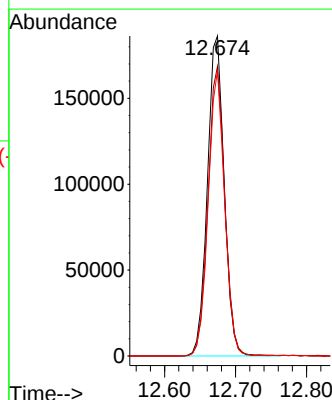
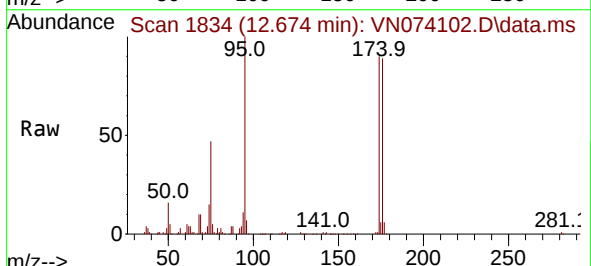
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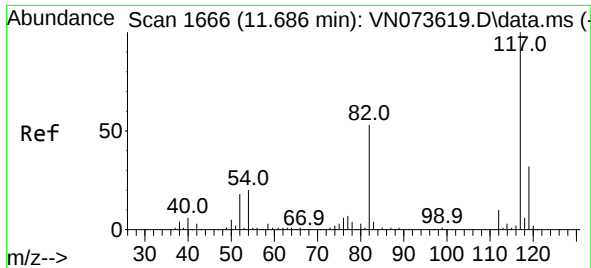
Tgt Ion: 98 Resp: 982990  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 45.393 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN074102.D  
Acq: 24 Aug 2022 19:33

Tgt Ion: 95 Resp: 306291  
Ion Ratio Lower Upper  
95 100  
174 91.0 0.0 167.6  
176 87.0 0.0 163.4

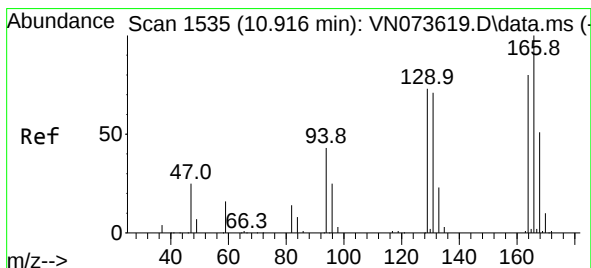
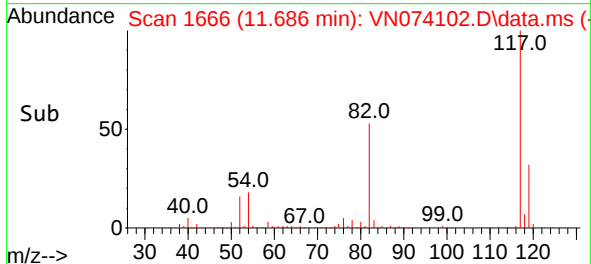
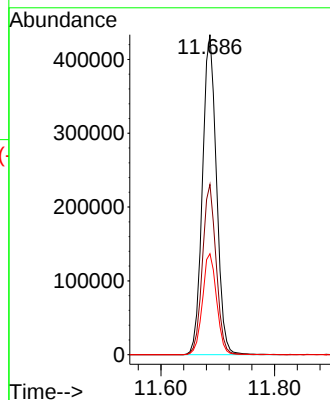
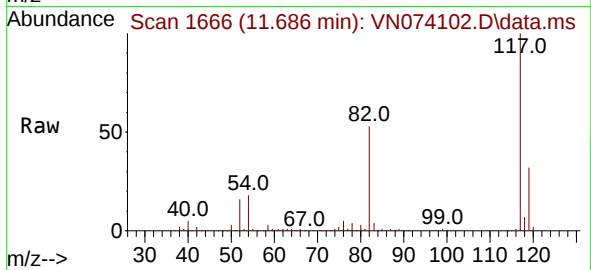




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN074102.D  
Acq: 24 Aug 2022 19:33

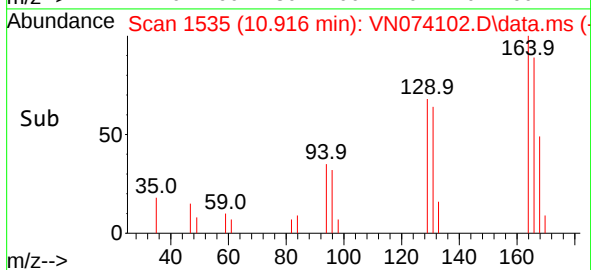
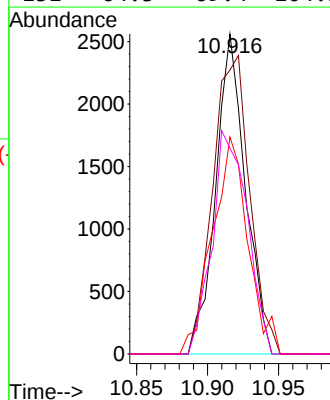
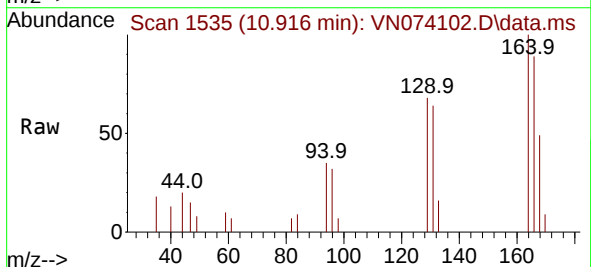
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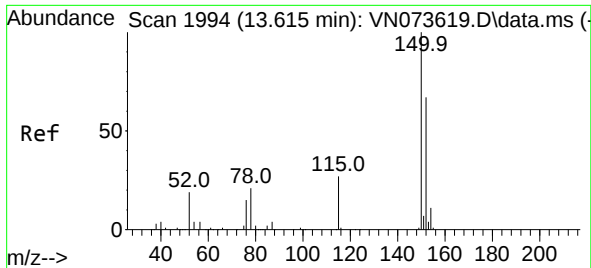
Tgt Ion:117 Resp: 741783  
Ion Ratio Lower Upper  
117 100  
82 53.2 44.2 66.2  
119 31.6 25.4 38.0



#64  
Tetrachloroethene  
Concen: 0.637 ug/l  
RT: 10.916 min Scan# 1535  
Delta R.T. -0.000 min  
Lab File: VN074102.D  
Acq: 24 Aug 2022 19:33

Tgt Ion:164 Resp: 3729  
Ion Ratio Lower Upper  
164 100  
166 88.7 104.2 156.2#  
129 67.7 73.9 110.9#  
131 64.3 69.4 104.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.001 min

Lab File: VN074102.D

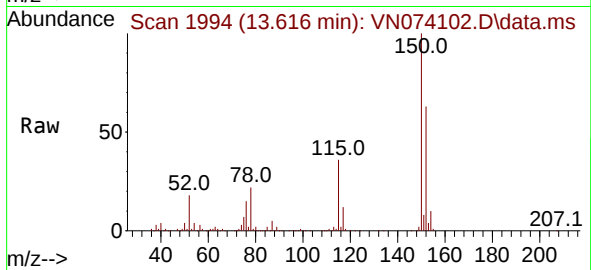
Acq: 24 Aug 2022 19:33

Instrument :

MSVOA\_N

ClientSampleId :

TT149S-20220817



Tgt Ion:152 Resp: 317133

Ion Ratio Lower Upper

152 100

115 56.1 28.9 86.7

150 158.1 0.0 356.2

