

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN083022\  
 Data File : VN074198.D  
 Acq On : 31 Aug 2022 05:03  
 Operator : JC\MD  
 Sample : N4421-12  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-PALM-SP-03

Quant Time: Aug 31 07:08:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083022W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 31 07:02:40 2022  
 Response via : Initial Calibration

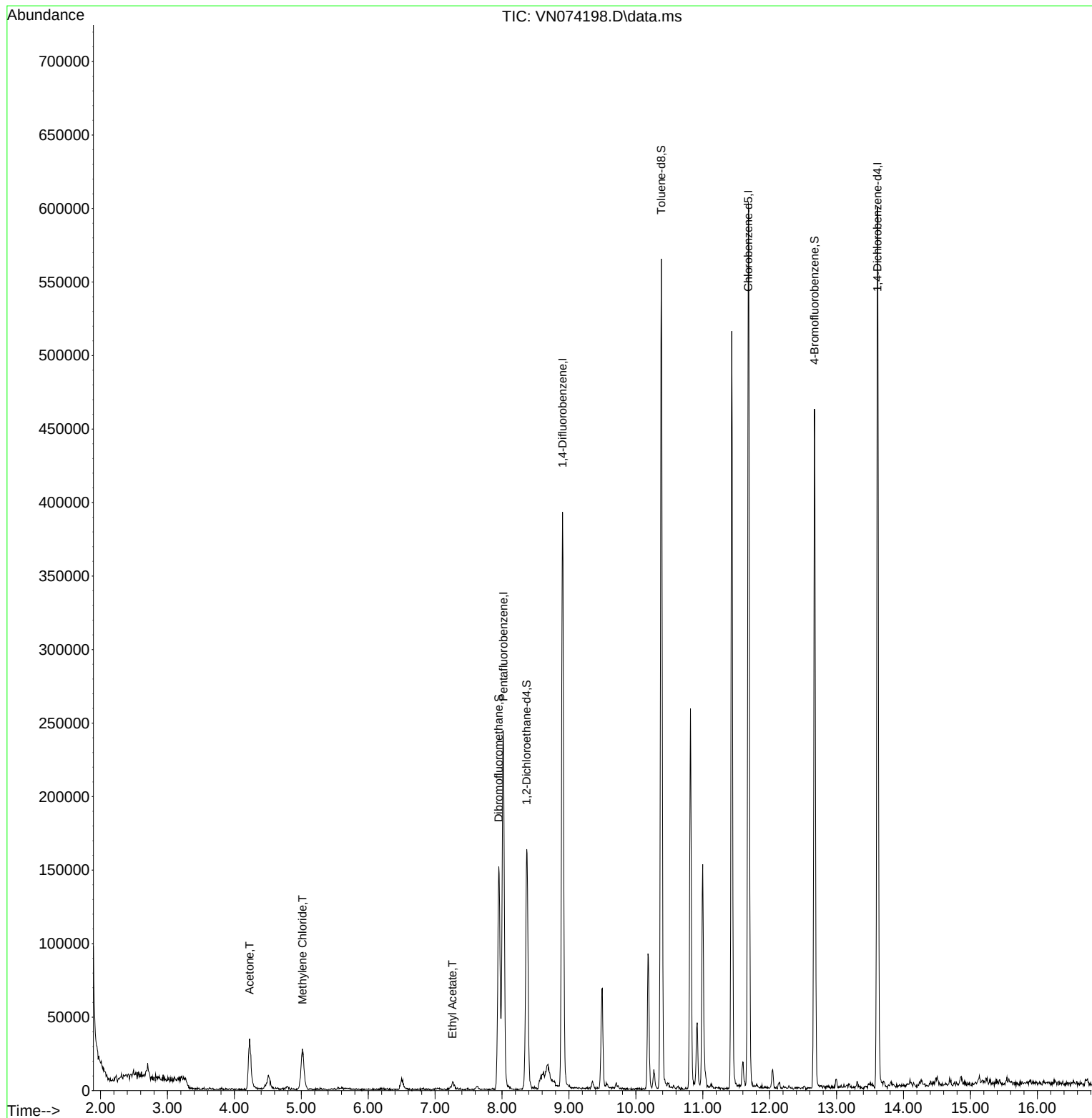
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.022  | 168   | 175188   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.904  | 114   | 319627   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.680 | 117   | 318864   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.610 | 152   | 143163   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.369  | 65    | 127427   | 46.890   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 93.780%  |
| 35) Dibromofluoromethane    | 7.951  | 113   | 107501   | 51.686   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 103.380% |
| 50) Toluene-d8              | 10.381 | 98    | 360556   | 44.020   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 88.040%  |
| 62) 4-Bromofluorobenzene    | 12.669 | 95    | 142019   | 57.016   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 114.040% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.228  | 43    | 61897    | 34.086   | ug/l # | 83       |
| 20) Methylene Chloride      | 5.016  | 84    | 18718    | 5.732    | ug/l # | 75       |
| 37) Ethyl Acetate           | 7.257  | 43    | 8730     | 1.547    | ug/l # | 67       |
| -----                       |        |       |          |          |        |          |

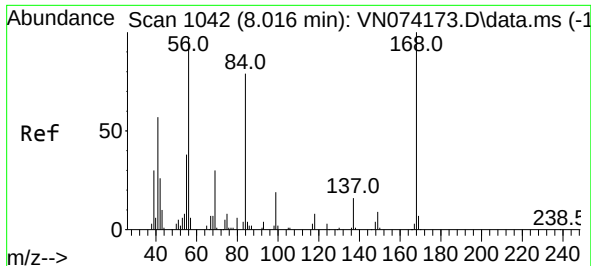
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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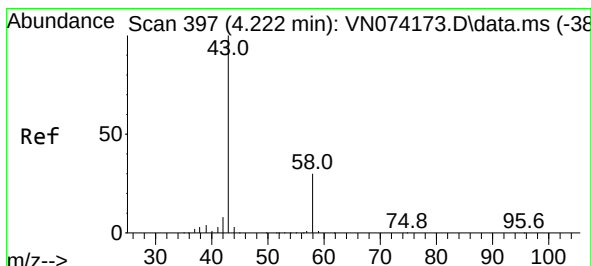
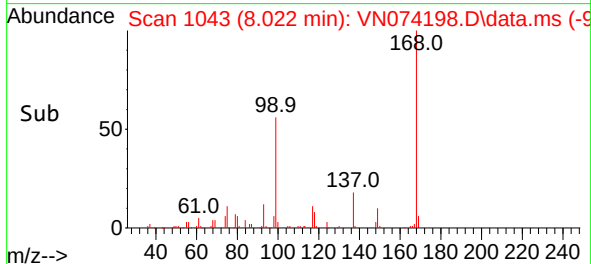
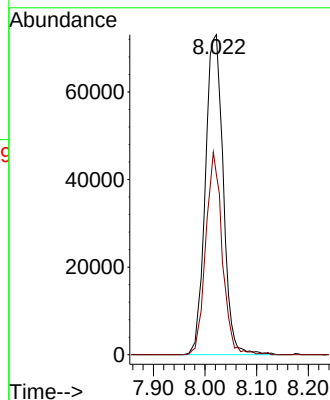
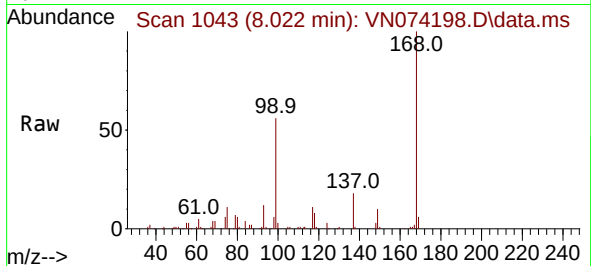




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.022 min Scan# 1043  
Delta R.T. 0.006 min  
Lab File: VN074198.D  
Acq: 31 Aug 2022 05:03

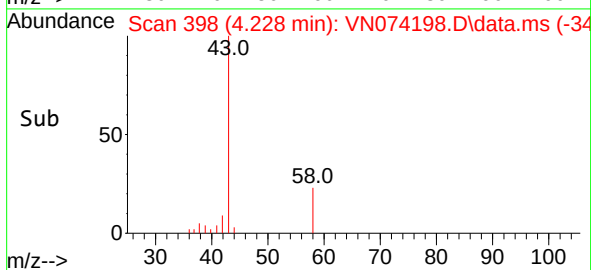
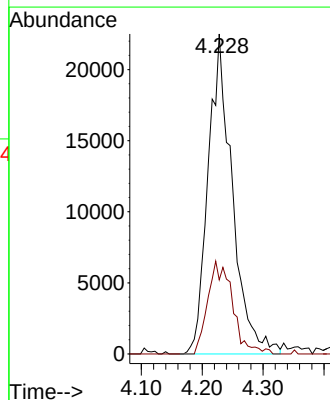
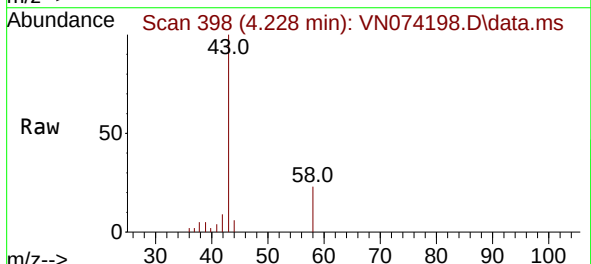
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-PALM-SP-03

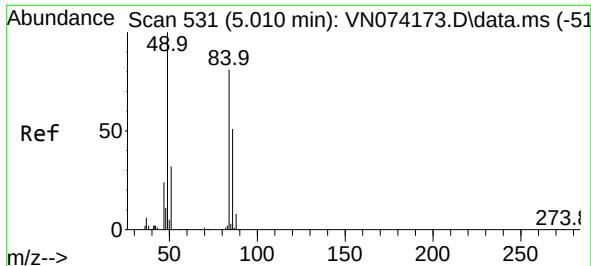
Tgt Ion:168 Resp: 175188  
Ion Ratio Lower Upper  
168 100  
99 56.4 42.3 63.5



#16  
Acetone  
Concen: 34.086 ug/l  
RT: 4.228 min Scan# 398  
Delta R.T. 0.006 min  
Lab File: VN074198.D  
Acq: 31 Aug 2022 05:03

Tgt Ion: 43 Resp: 61897  
Ion Ratio Lower Upper  
43 100  
58 23.2 26.0 39.0#

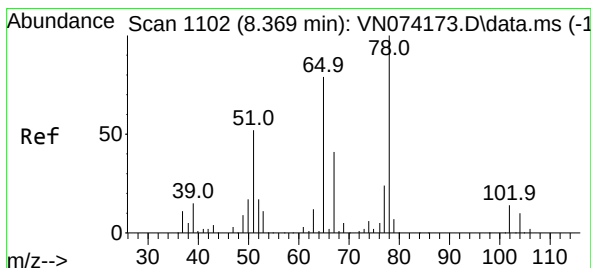
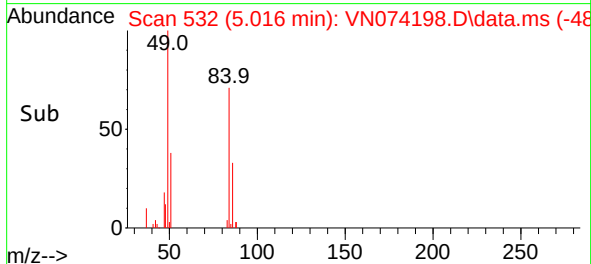
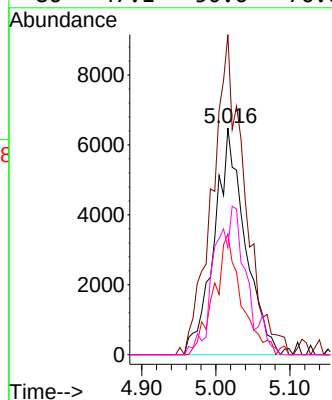
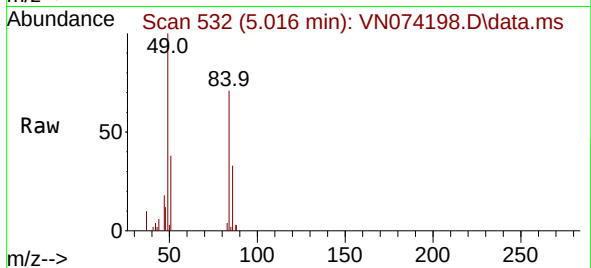




#20  
Methylene Chloride  
Concen: 5.732 ug/l  
RT: 5.016 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN074198.D  
Acq: 31 Aug 2022 05:03

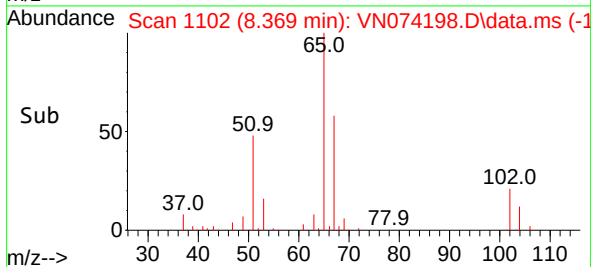
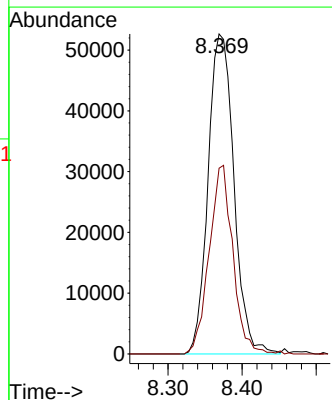
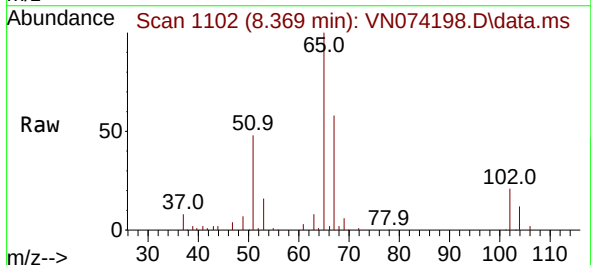
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-PALM-SP-03

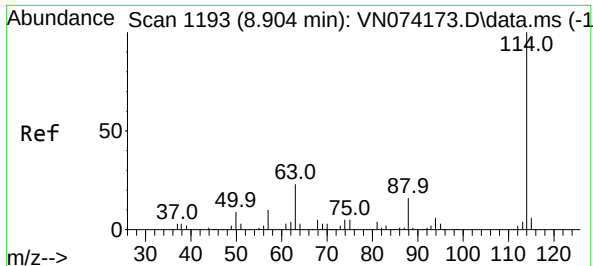
Tgt Ion: 84 Resp: 18718  
Ion Ratio Lower Upper  
84 100  
49 138.0 88.3 132.5#  
51 53.2 28.2 42.2#  
86 47.1 50.6 76.0#



#33  
1,2-Dichloroethane-d4  
Concen: 46.890 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VN074198.D  
Acq: 31 Aug 2022 05:03

Tgt Ion: 65 Resp: 127427  
Ion Ratio Lower Upper  
65 100  
67 54.1 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: VN074198.D

Acq: 31 Aug 2022 05:03

Instrument :

MSVOA\_N

ClientSampleId :

WC-PALM-SP-03

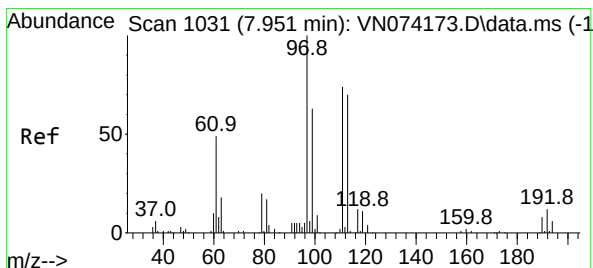
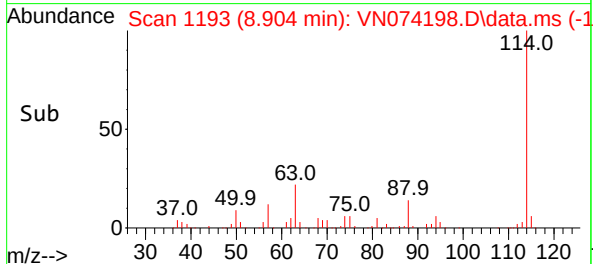
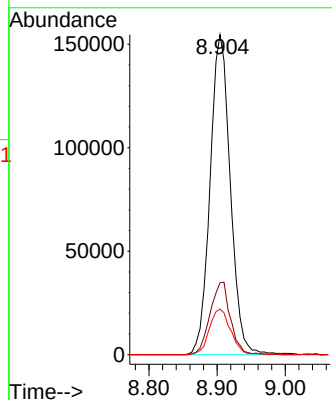
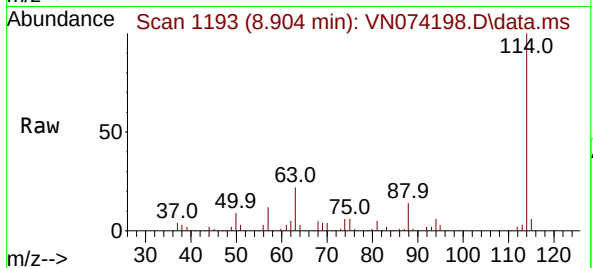
Tgt Ion:114 Resp: 319627

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 14.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.686 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074198.D

Acq: 31 Aug 2022 05:03

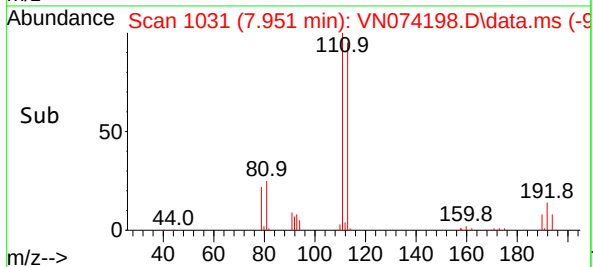
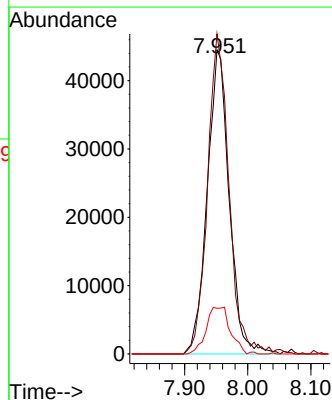
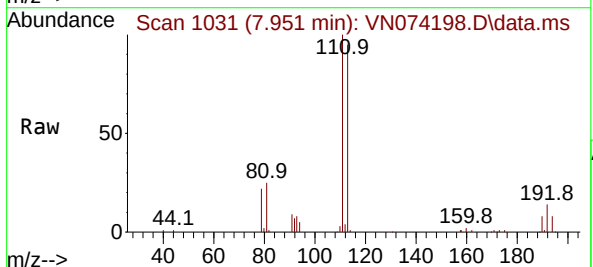
Tgt Ion:113 Resp: 107501

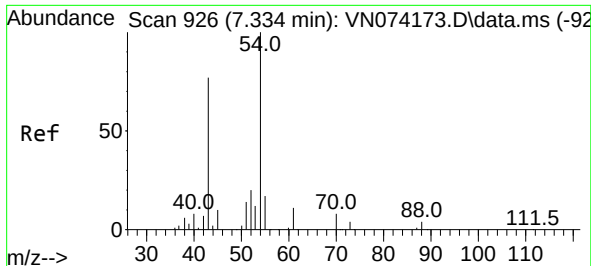
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 16.9 17.0 25.6#

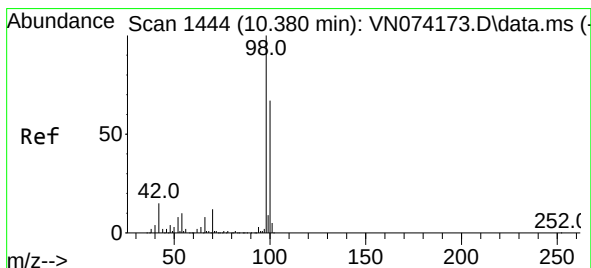
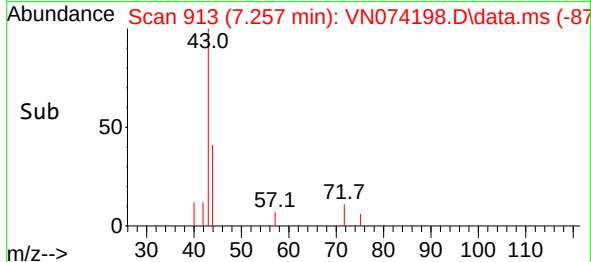
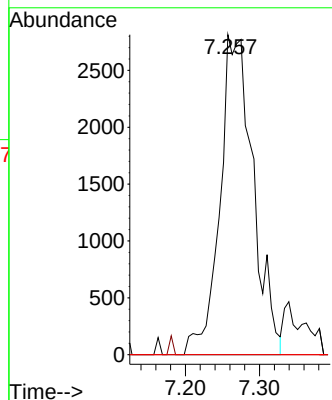
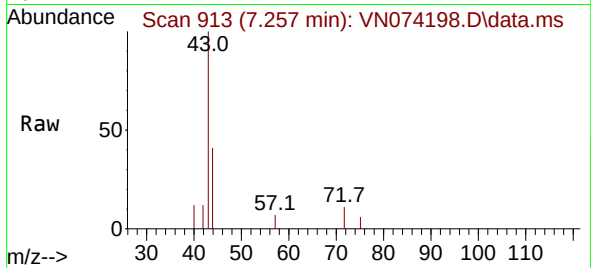




#37  
Ethyl Acetate  
Concen: 1.547 ug/l  
RT: 7.257 min Scan# 913  
Delta R.T. -0.076 min  
Lab File: VN074198.D  
Acq: 31 Aug 2022 05:03

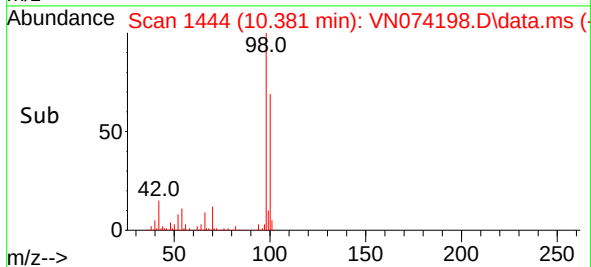
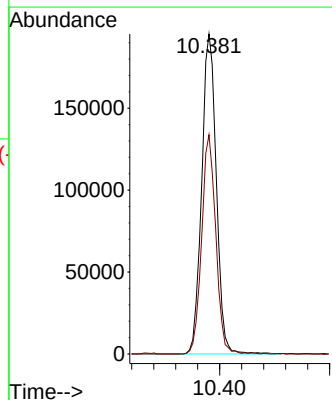
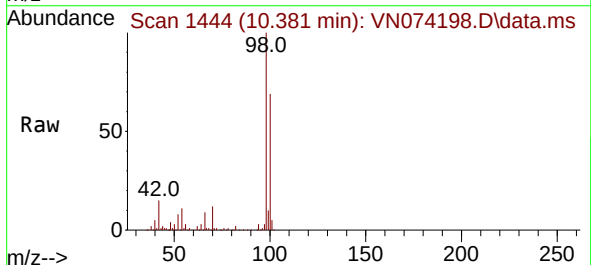
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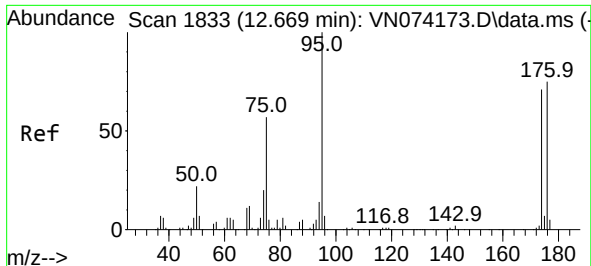
Tgt Ion: 43 Resp: 8730  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.8 17.6#  
70 0.0 9.3 13.9#



#50  
Toluene-d8  
Concen: 44.020 ug/l  
RT: 10.381 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN074198.D  
Acq: 31 Aug 2022 05:03

Tgt Ion: 98 Resp: 360556  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.6 78.8

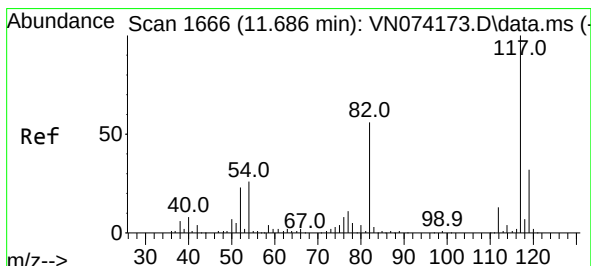
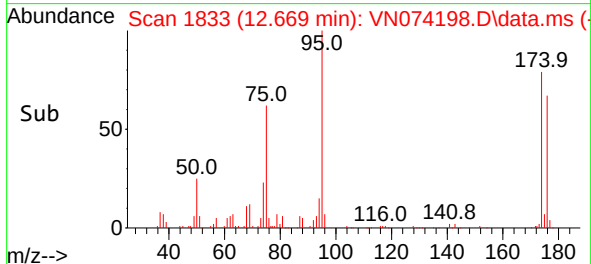
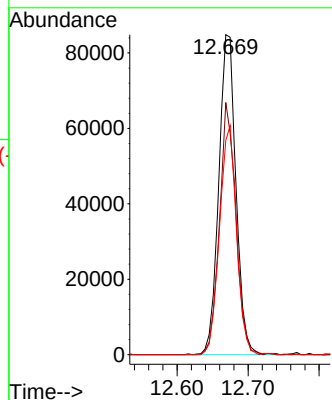
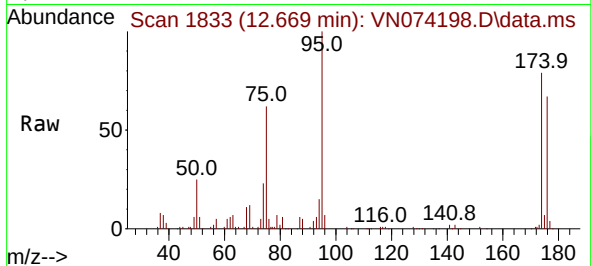




#62  
4-Bromofluorobenzene  
Concen: 57.016 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN074198.D  
Acq: 31 Aug 2022 05:03

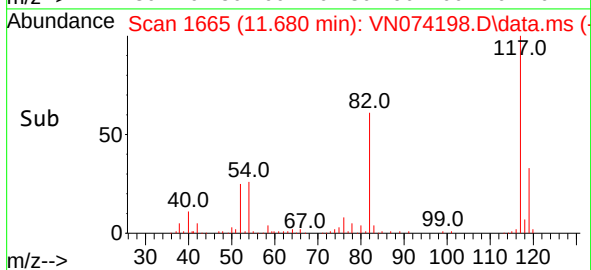
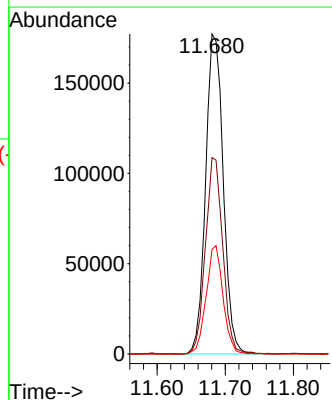
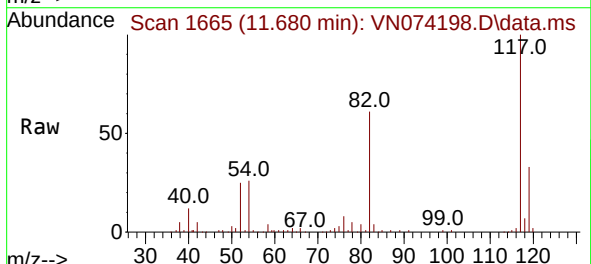
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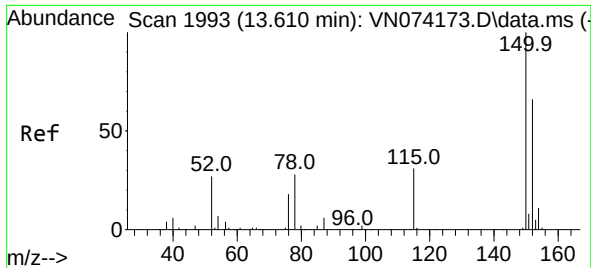
Tgt Ion: 95 Resp: 142019  
Ion Ratio Lower Upper  
95 100  
174 75.2 0.0 167.6  
176 70.4 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.680 min Scan# 1665  
Delta R.T. -0.006 min  
Lab File: VN074198.D  
Acq: 31 Aug 2022 05:03

Tgt Ion: 117 Resp: 318864  
Ion Ratio Lower Upper  
117 100  
82 61.4 44.2 66.2  
119 32.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN074198.D

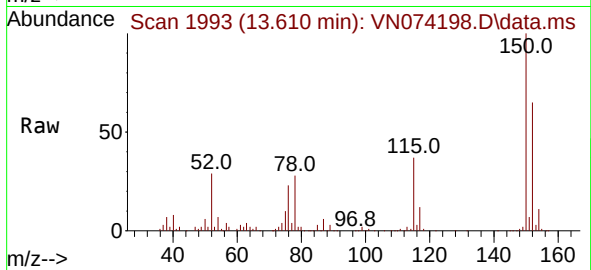
Acq: 31 Aug 2022 05:03

Instrument :

MSVOA\_N

ClientSampleId :

WC-PALM-SP-03



Tgt Ion:152 Resp: 143163

Ion Ratio Lower Upper

152 100

115 61.4 28.9 86.7

150 156.7 0.0 356.2

