

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090922\  
 Data File : VN074393.D  
 Acq On : 09 Sep 2022 23:25  
 Operator : JC\MD  
 Sample : N4509-09  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S1-SO\_112D-20220902

Quant Time: Sep 10 07:28:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090922W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 10 06:10:29 2022  
 Response via : Initial Calibration

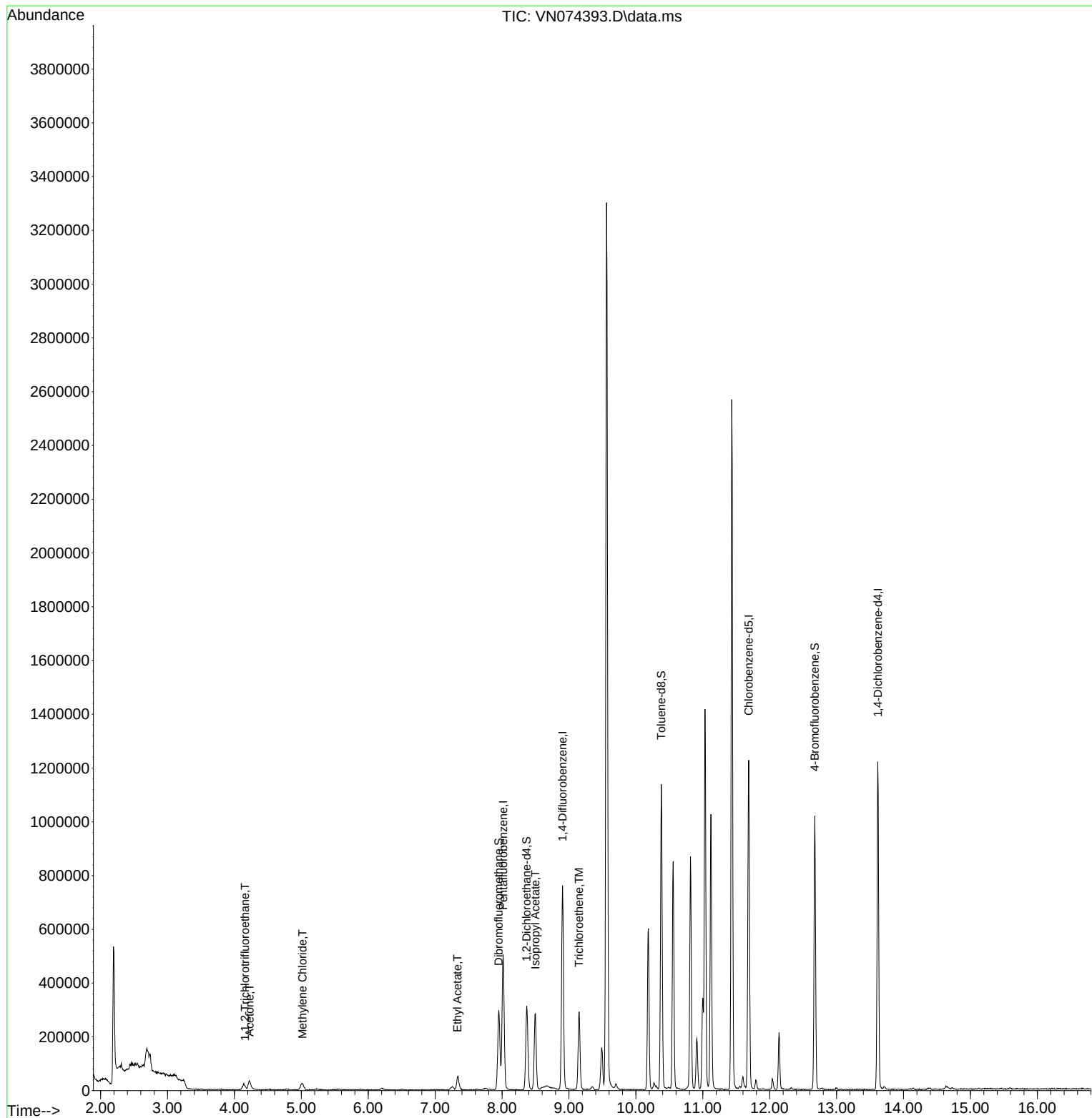
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.016  | 168   | 344006   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.904  | 114   | 616537   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.686 | 117   | 634406   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.616 | 152   | 288258   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.369  | 65    | 243282   | 40.875   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 81.760%  |
| 35) Dibromofluoromethane     | 7.951  | 113   | 201422   | 48.393   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 96.780%  |
| 50) Toluene-d8               | 10.380 | 98    | 717528   | 44.243   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 88.480%  |
| 62) 4-Bromofluorobenzene     | 12.674 | 95    | 294297   | 49.981   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 99.960%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo... | 4.157  | 101   | 13375    | 3.035    | ug/l   | 99       |
| 16) Acetone                  | 4.228  | 43    | 58298    | 18.143   | ug/l   | 95       |
| 20) Methylene Chloride       | 5.016  | 84    | 18109    | 2.409    | ug/l   | 94       |
| 37) Ethyl Acetate            | 7.334  | 43    | 81201    | 8.163    | ug/l   | 99       |
| 43) Isopropyl Acetate        | 8.498  | 43    | 333446   | 20.498   | ug/l # | 91       |
| 44) Trichloroethene          | 9.151  | 130   | 94116    | 19.996   | ug/l   | 99       |
| -----                        |        |       |          |          |        |          |

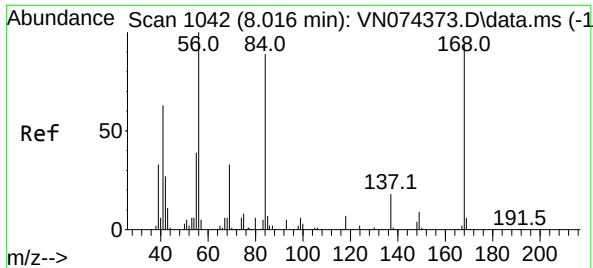
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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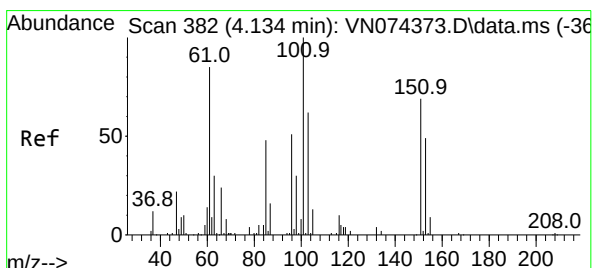
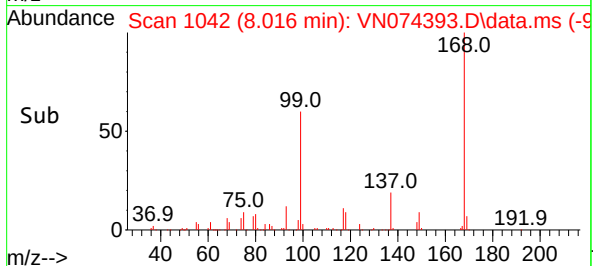
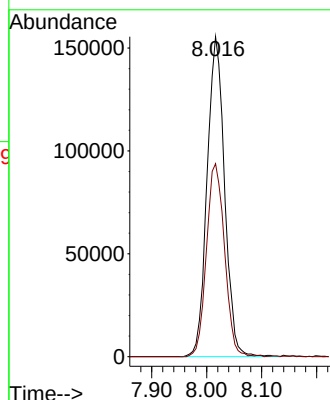
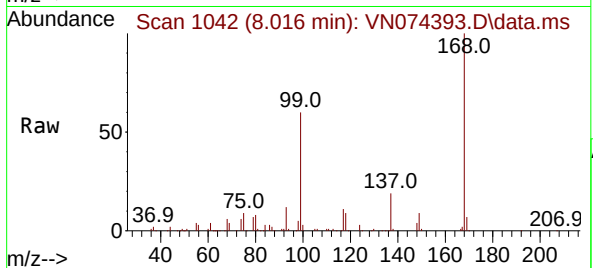




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN074393.D  
Acq: 09 Sep 2022 23:25

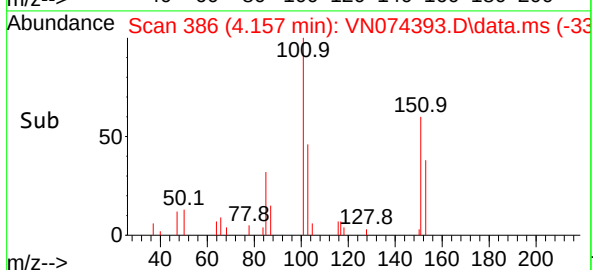
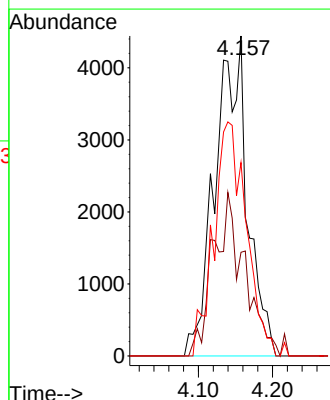
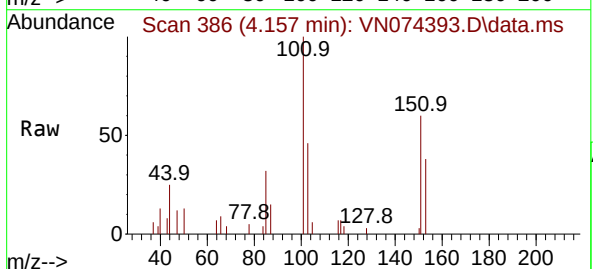
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MSVOA\_N  
ClientSampleId :  
S1-SO\_112D-20220902

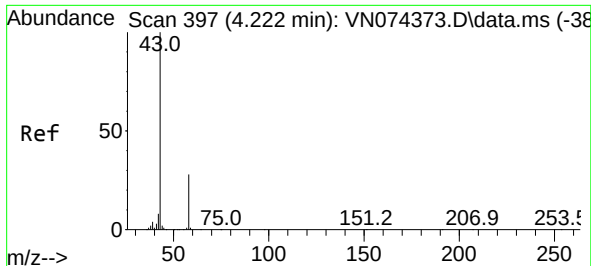
Tgt Ion:168 Resp: 344006  
Ion Ratio Lower Upper  
168 100  
99 60.3 52.8 79.2



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 3.035 ug/l  
RT: 4.157 min Scan# 386  
Delta R.T. 0.024 min  
Lab File: VN074393.D  
Acq: 09 Sep 2022 23:25

Tgt Ion:101 Resp: 13375  
Ion Ratio Lower Upper  
101 100  
85 49.9 39.5 59.3  
151 73.7 57.8 86.6

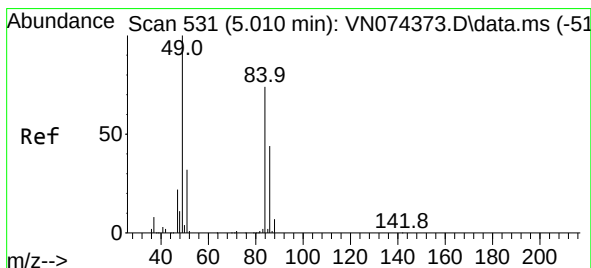
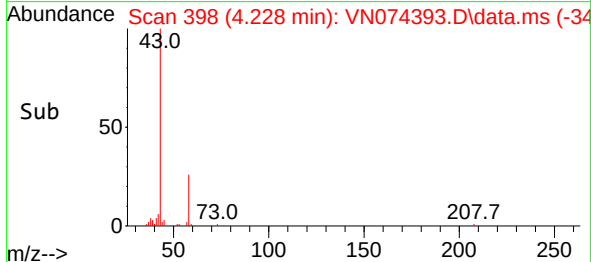
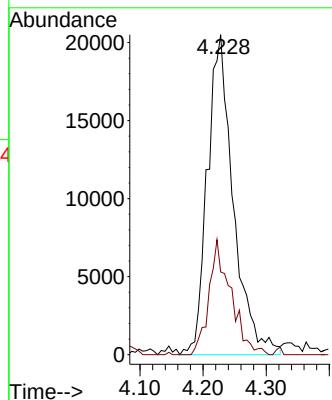
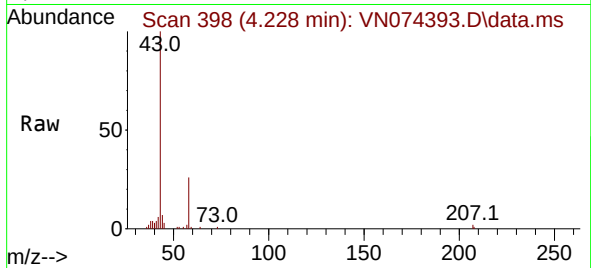




#16  
Acetone  
Concen: 18.143 ug/l  
RT: 4.228 min Scan# 397  
Delta R.T. 0.006 min  
Lab File: VN074393.D  
Acq: 09 Sep 2022 23:25

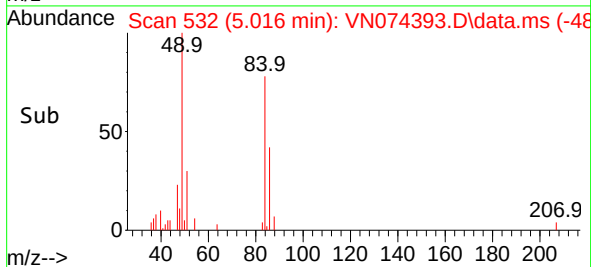
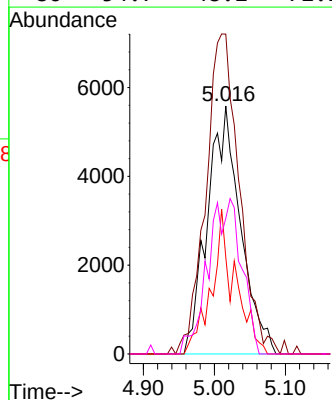
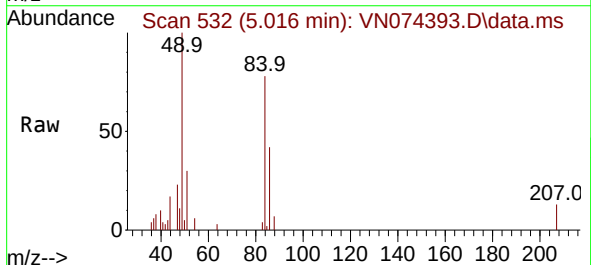
Instrument :  
MSVOA\_N  
ClientSampleId :  
S1-SO\_112D-20220902

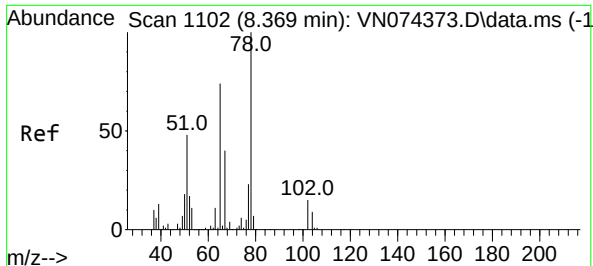
Tgt Ion: 43 Resp: 58298  
Ion Ratio Lower Upper  
43 100  
58 25.8 22.7 34.1



#20  
Methylene Chloride  
Concen: 2.409 ug/l  
RT: 5.016 min Scan# 532  
Delta R.T. 0.006 min  
Lab File: VN074393.D  
Acq: 09 Sep 2022 23:25

Tgt Ion: 84 Resp: 18109  
Ion Ratio Lower Upper  
84 100  
49 129.0 108.2 162.4  
51 39.0 34.3 51.5  
86 54.7 48.2 72.2





#33

1,2-Dichloroethane-d4

Concen: 40.875 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074393.D

Acq: 09 Sep 2022 23:25

Instrument :

MSVOA\_N

ClientSampleId :

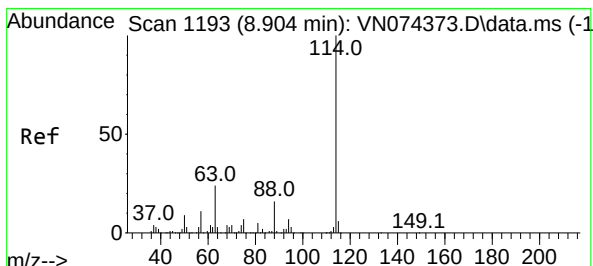
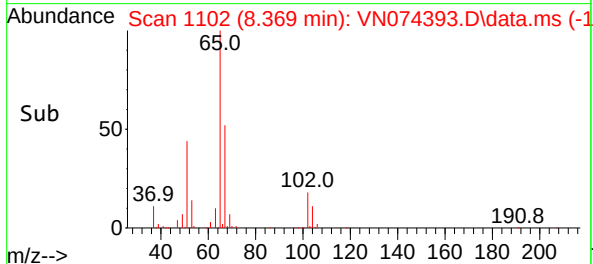
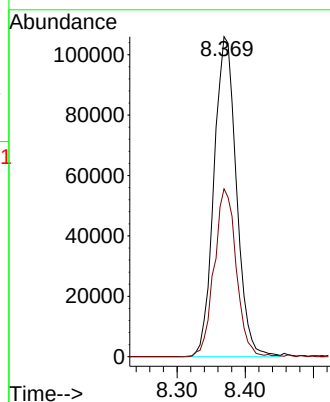
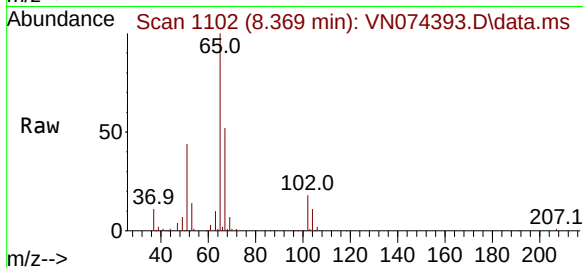
S1-SO\_112D-20220902

Tgt Ion: 65 Resp: 243282

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074393.D

Acq: 09 Sep 2022 23:25

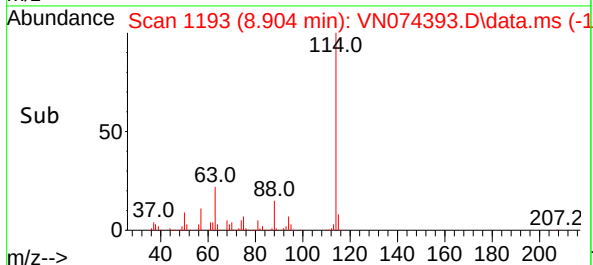
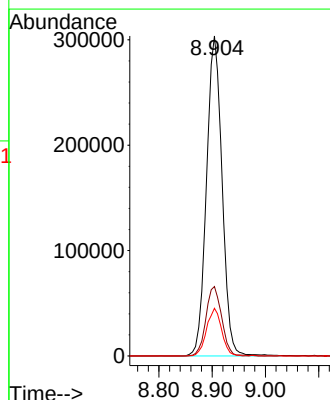
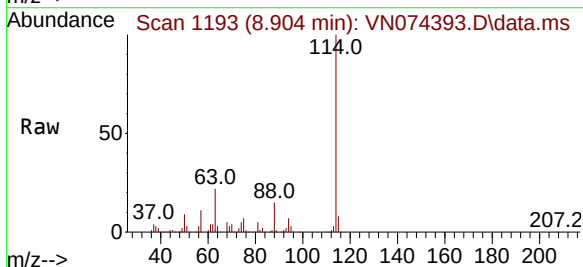
Tgt Ion: 114 Resp: 616537

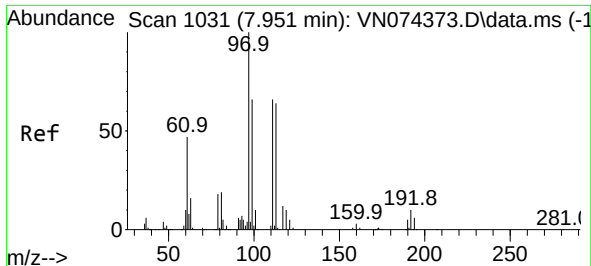
Ion Ratio Lower Upper

114 100

63 21.7 0.0 47.6

88 14.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.393 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074393.D

Acq: 09 Sep 2022 23:25

Instrument :

MSVOA\_N

ClientSampleId :

S1-SO\_112D-20220902

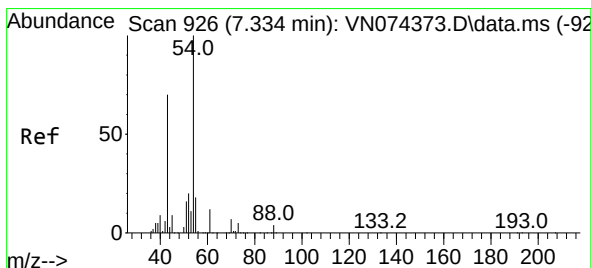
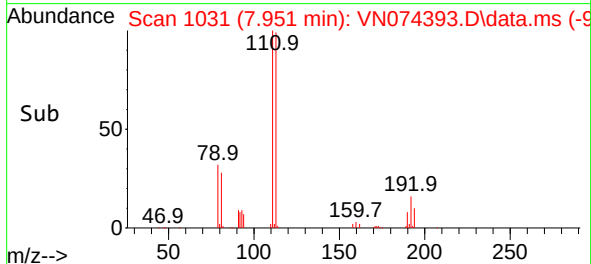
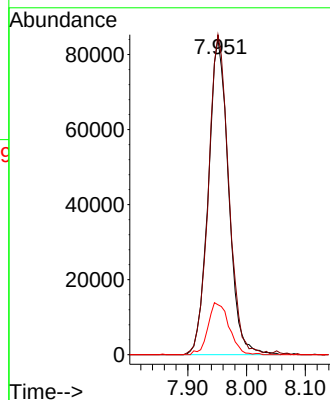
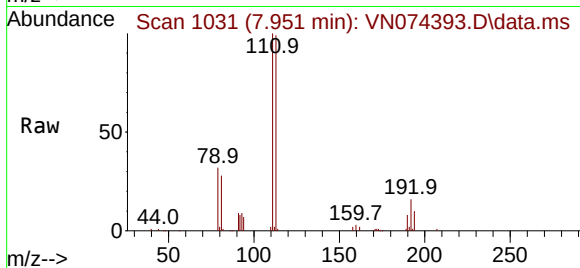
Tgt Ion:113 Resp: 201422

Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.4

192 17.2 13.7 20.5



#37

Ethyl Acetate

Concen: 8.163 ug/l

RT: 7.334 min Scan# 926

Delta R.T. 0.000 min

Lab File: VN074393.D

Acq: 09 Sep 2022 23:25

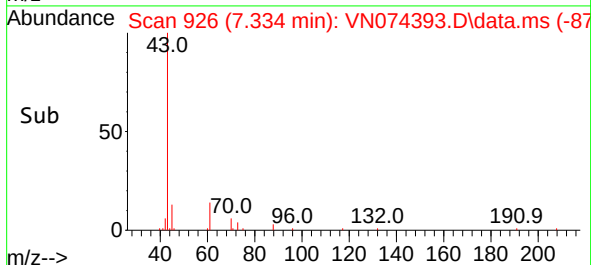
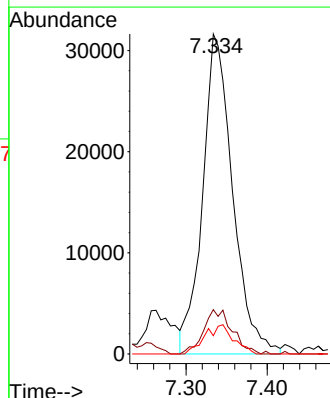
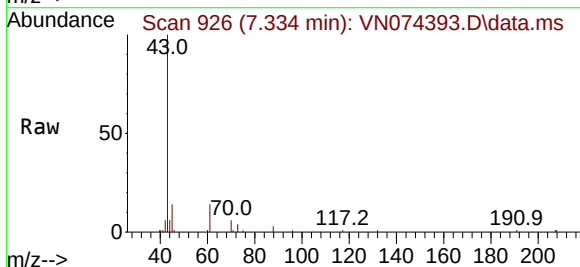
Tgt Ion: 43 Resp: 81201

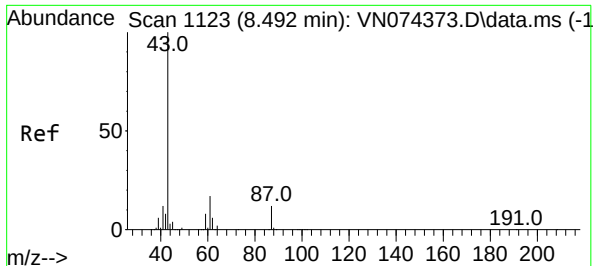
Ion Ratio Lower Upper

43 100

61 13.4 11.1 16.7

70 8.8 7.2 10.8





#43

Isopropyl Acetate

Concen: 20.498 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN074393.D

Acq: 09 Sep 2022 23:25

Instrument :

MSVOA\_N

ClientSampleId :

S1-SO\_112D-20220902

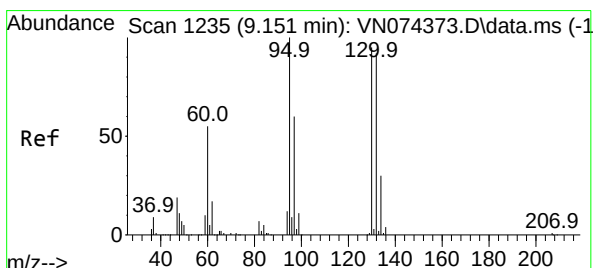
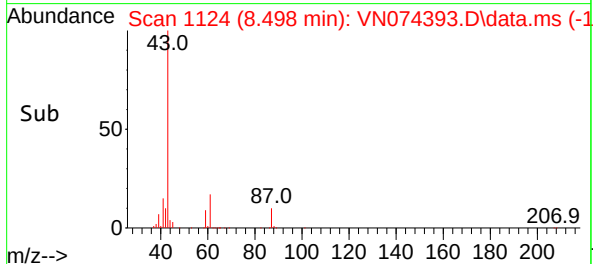
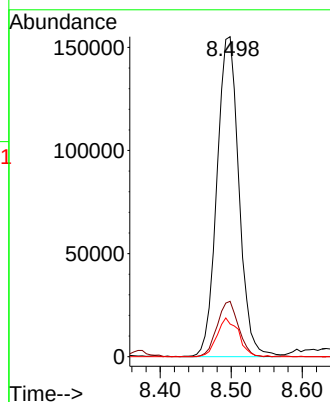
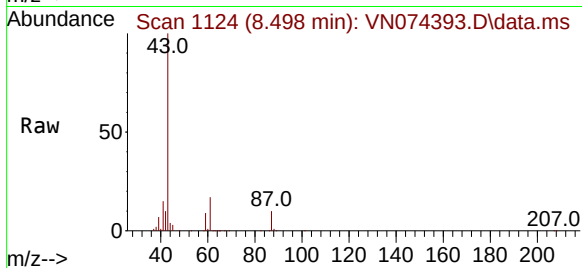
Tgt Ion: 43 Resp: 333446

Ion Ratio Lower Upper

43 100

61 16.8 18.6 27.8#

87 11.9 9.4 14.2



#44

Trichloroethene

Concen: 19.996 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VN074393.D

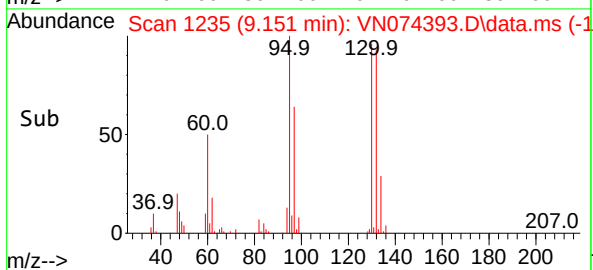
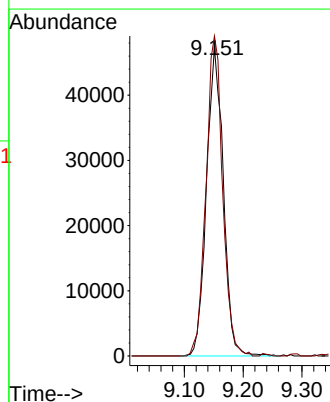
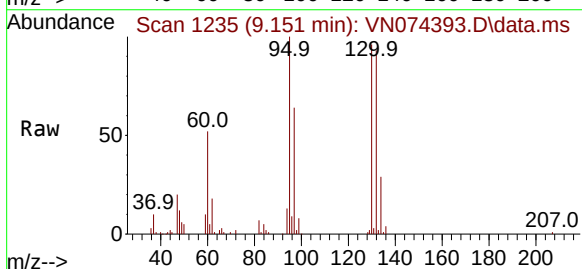
Acq: 09 Sep 2022 23:25

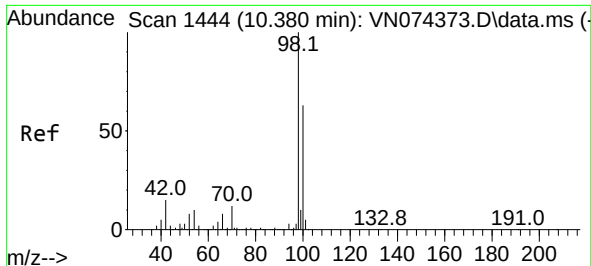
Tgt Ion:130 Resp: 94116

Ion Ratio Lower Upper

130 100

95 103.6 0.0 210.0

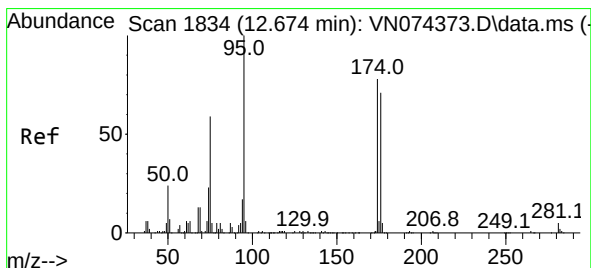
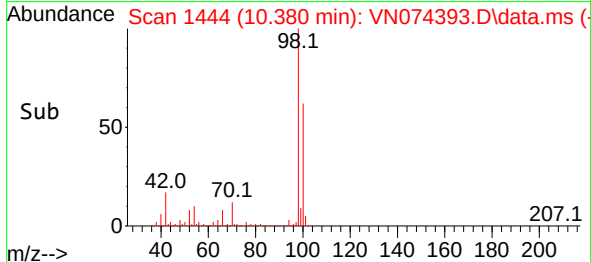
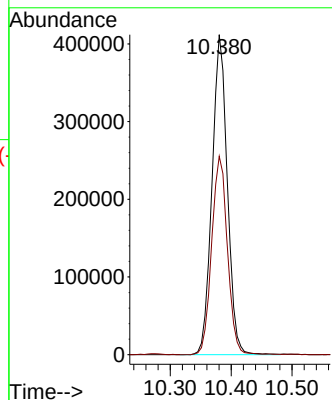
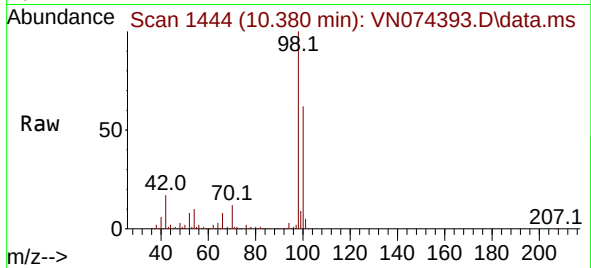




#50  
Toluene-d8  
Concen: 44.243 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN074393.D  
Acq: 09 Sep 2022 23:25

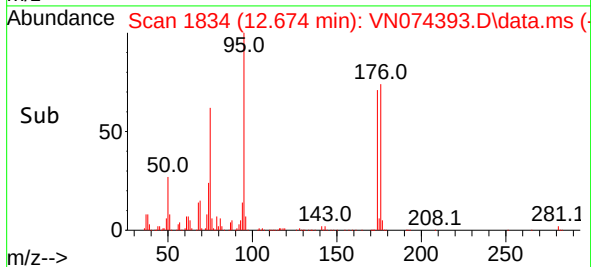
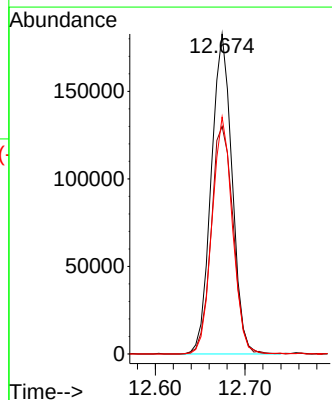
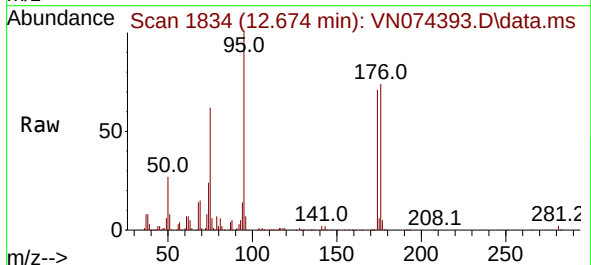
Instrument :  
MSVOA\_N  
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S1-SO\_112D-20220902

Tgt Ion: 98 Resp: 717528  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.6 76.0

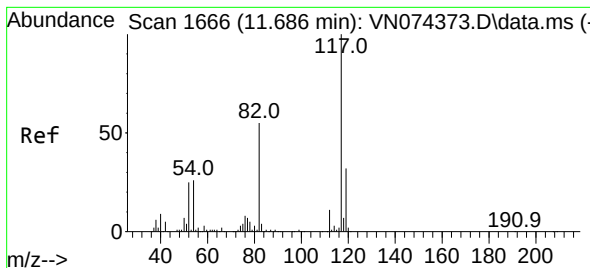


#62  
4-Bromofluorobenzene  
Concen: 49.981 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN074393.D  
Acq: 09 Sep 2022 23:25

Tgt Ion: 95 Resp: 294297  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 150.6  
176 72.9 0.0 143.4







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074393.D

Acq: 09 Sep 2022 23:25

Instrument :

MSVOA\_N

ClientSampleId :

S1-SO\_112D-20220902

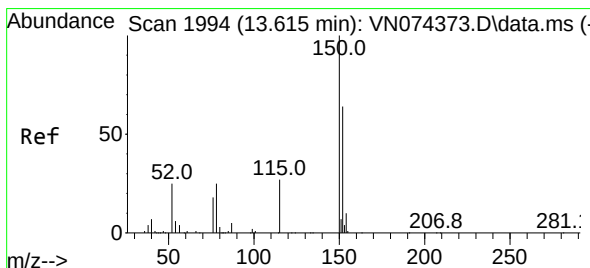
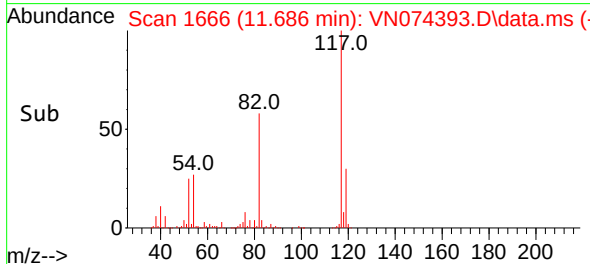
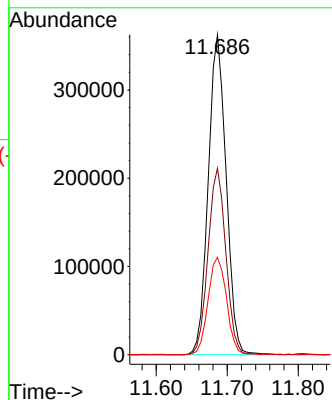
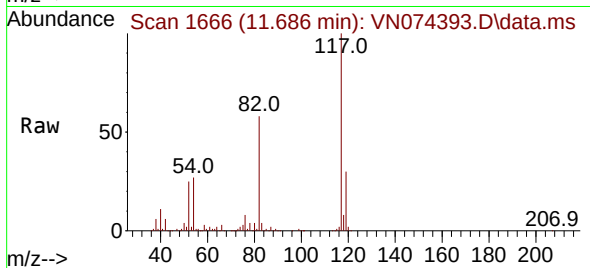
Tgt Ion:117 Resp: 634406

Ion Ratio Lower Upper

117 100

82 58.2 44.3 66.5

119 30.4 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.001 min

Lab File: VN074393.D

Acq: 09 Sep 2022 23:25

Tgt Ion:152 Resp: 288258

Ion Ratio Lower Upper

152 100

115 60.1 32.0 96.0

150 159.4 0.0 359.6

