

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090922\  
 Data File : VN074391.D  
 Acq On : 09 Sep 2022 22:36  
 Operator : JC\MD  
 Sample : N4471-17  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EB01-083122

Quant Time: Sep 10 07:28:15 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

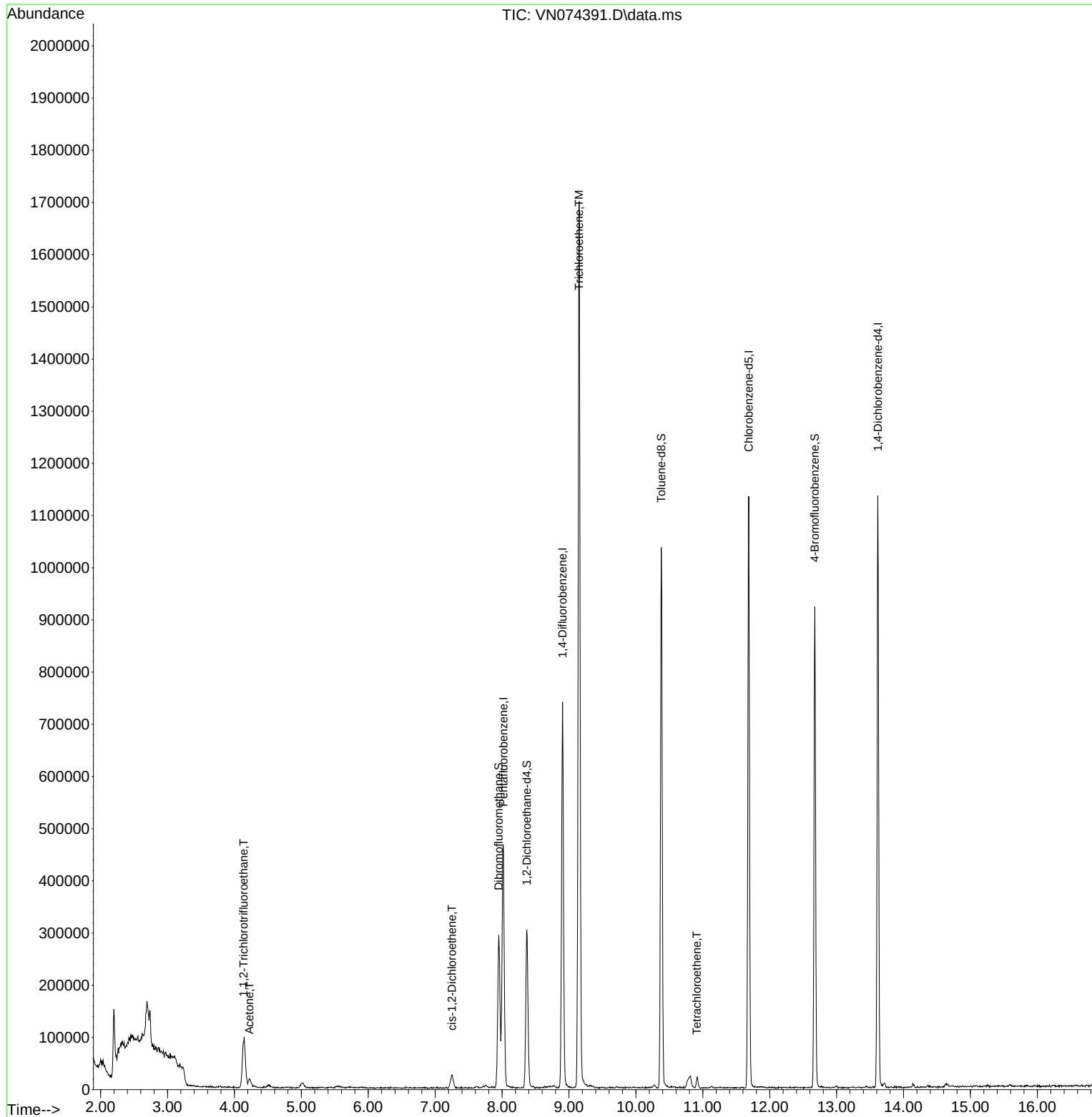
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.022  | 168   | 333195   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.904  | 114   | 593422   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.686 | 117   | 579506   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.615 | 152   | 267882   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.369  | 65    | 241266   | 41.852   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 83.700%  |
| 35) Dibromofluoromethane     | 7.951  | 113   | 201253   | 50.236   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 100.480% |
| 50) Toluene-d8               | 10.380 | 98    | 668100   | 42.800   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 85.600%# |
| 62) 4-Bromofluorobenzene     | 12.674 | 95    | 275678   | 48.643   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 97.280%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo... | 4.140  | 101   | 60207    | 14.105   | ug/l   | 99       |
| 16) Acetone                  | 4.222  | 43    | 28274    | 9.085    | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.251  | 96    | 10954    | 1.910    | ug/l   | 89       |
| 44) Trichloroethene          | 9.151  | 130   | 545888   | 120.498  | ug/l   | 97       |
| 64) Tetrachloroethene        | 10.910 | 164   | 3964     | 1.009    | ug/l # | 60       |
| -----                        |        |       |          |          |        |          |

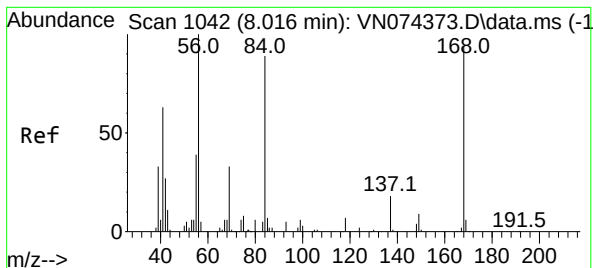
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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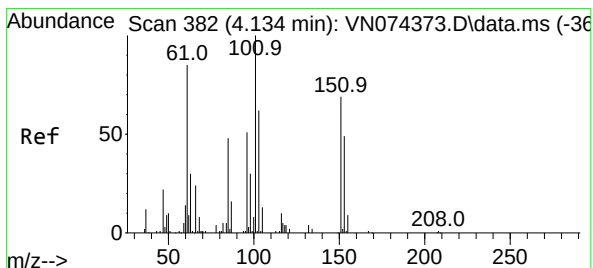
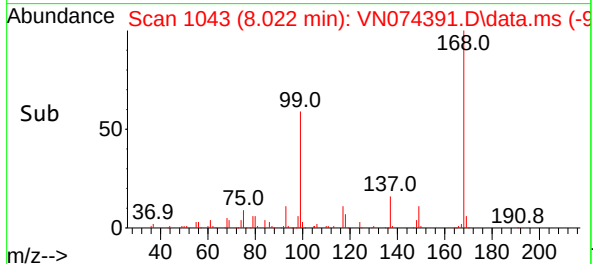
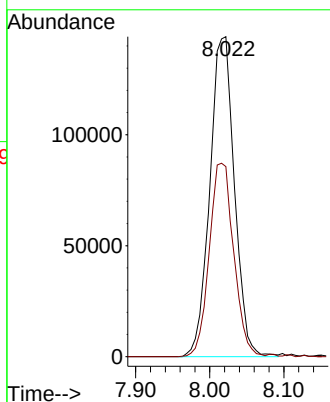
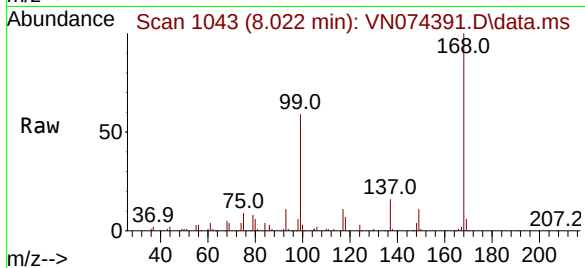




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.022 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN074391.D  
Acq: 09 Sep 2022 22:36

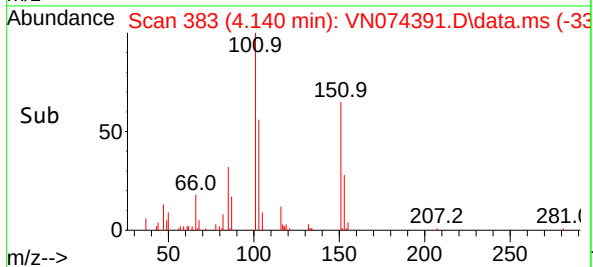
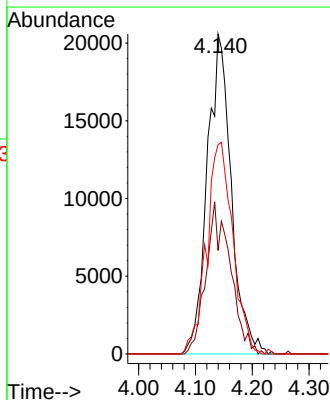
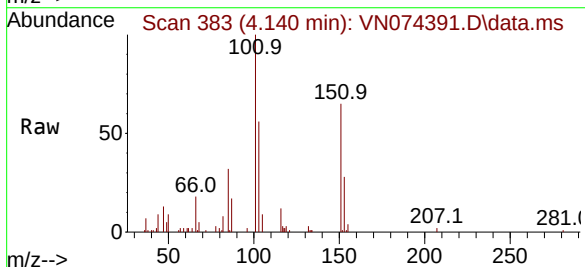
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ClientSampleId :  
EB01-083122

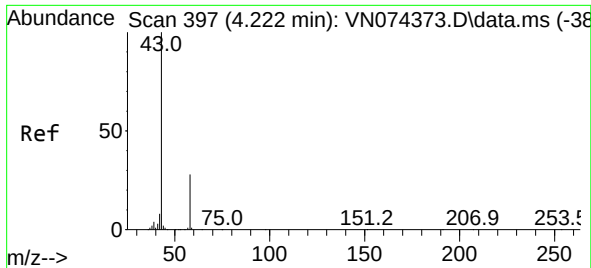
Tgt Ion:168 Resp: 333195  
Ion Ratio Lower Upper  
168 100  
99 59.4 52.8 79.2



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 14.105 ug/l  
RT: 4.140 min Scan# 383  
Delta R.T. 0.006 min  
Lab File: VN074391.D  
Acq: 09 Sep 2022 22:36

Tgt Ion:101 Resp: 60207  
Ion Ratio Lower Upper  
101 100  
85 48.2 39.5 59.3  
151 72.1 57.8 86.6

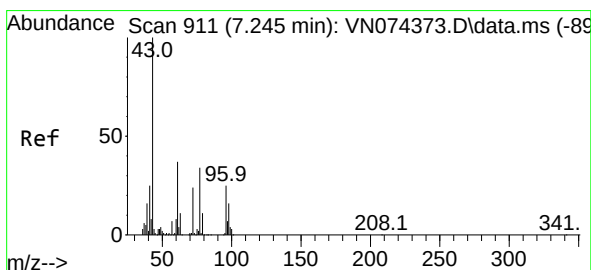
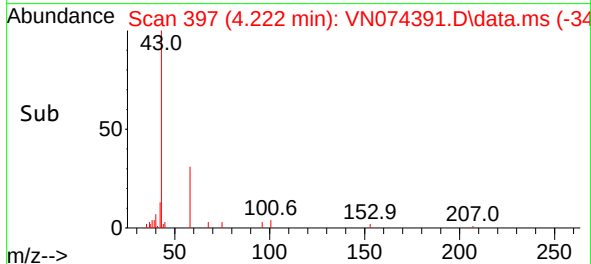
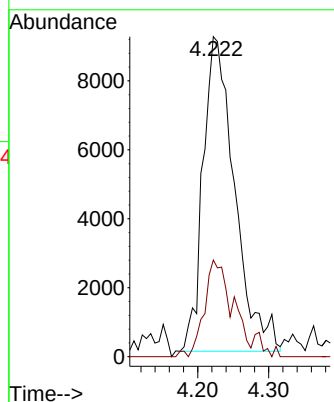
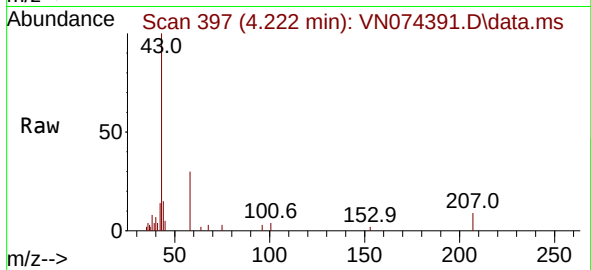




#16  
Acetone  
Concen: 9.085 ug/l  
RT: 4.222 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VN074391.D  
Acq: 09 Sep 2022 22:36

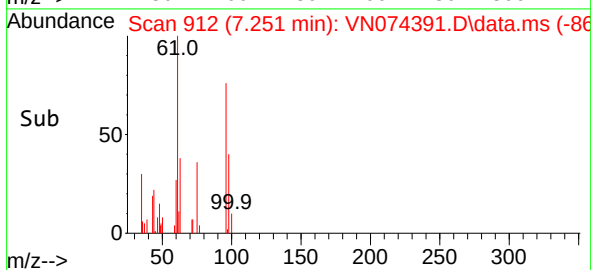
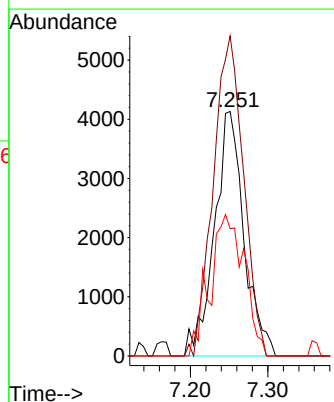
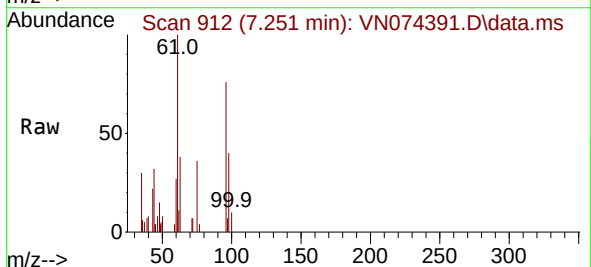
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ClientSampleId :  
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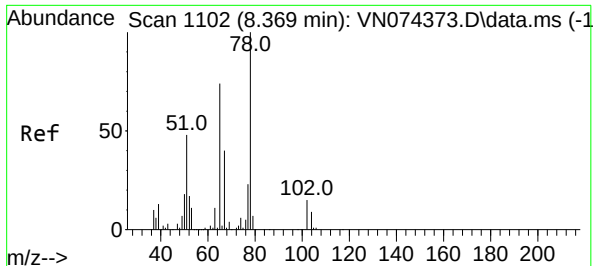
Tgt Ion: 43 Resp: 28274  
Ion Ratio Lower Upper  
43 100  
58 30.7 22.7 34.1



#27  
cis-1,2-Dichloroethene  
Concen: 1.910 ug/l  
RT: 7.251 min Scan# 912  
Delta R.T. 0.006 min  
Lab File: VN074391.D  
Acq: 09 Sep 2022 22:36

Tgt Ion: 96 Resp: 10954  
Ion Ratio Lower Upper  
96 100  
61 134.0 0.0 306.2  
98 67.3 0.0 129.8





#33

1,2-Dichloroethane-d4

Concen: 41.852 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074391.D

Acq: 09 Sep 2022 22:36

Instrument :

MSVOA\_N

ClientSampleId :

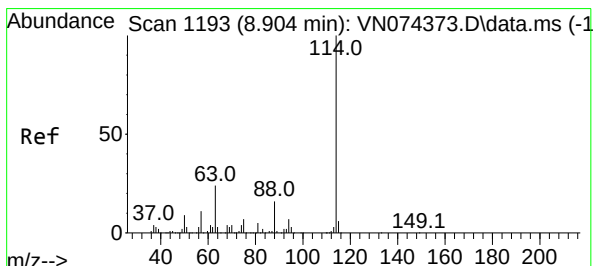
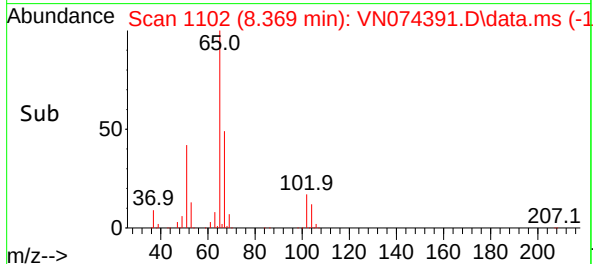
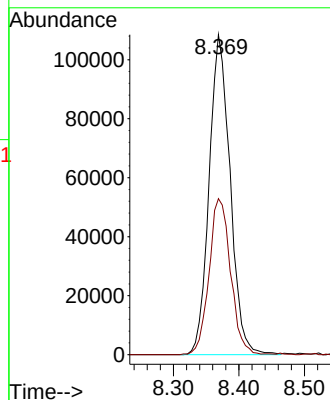
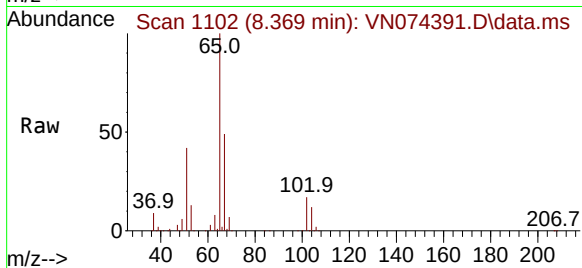
EB01-083122

Tgt Ion: 65 Resp: 241266

Ion Ratio Lower Upper

65 100

67 50.0 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: VN074391.D

Acq: 09 Sep 2022 22:36

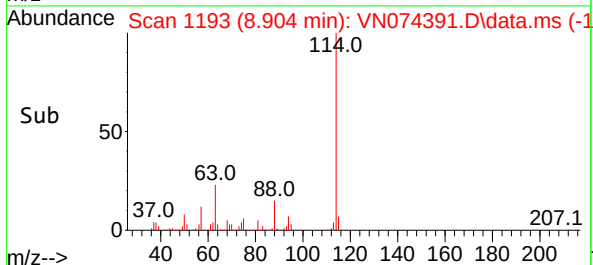
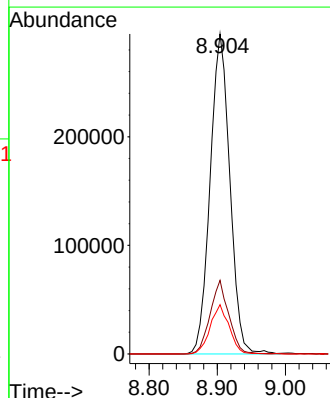
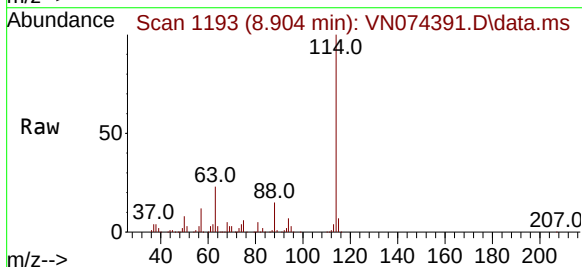
Tgt Ion: 114 Resp: 593422

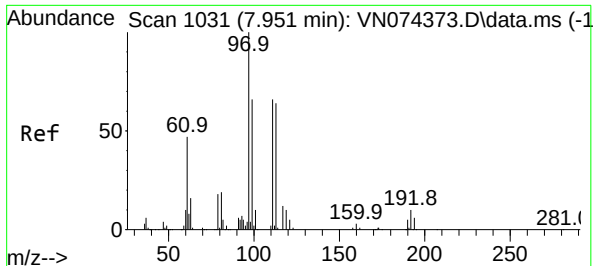
Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.6

88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.236 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074391.D

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MSVOA\_N

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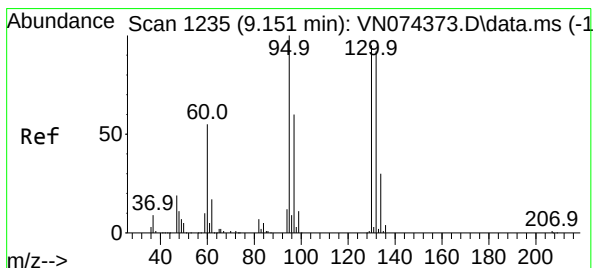
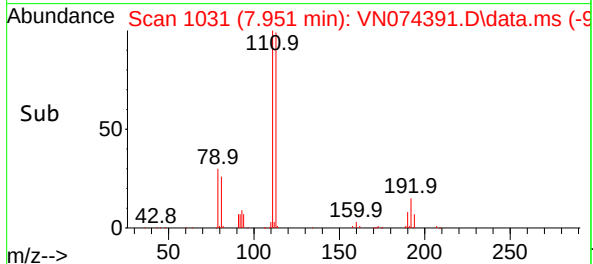
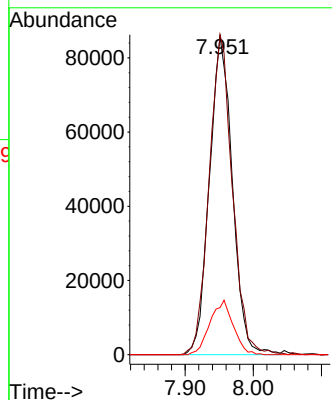
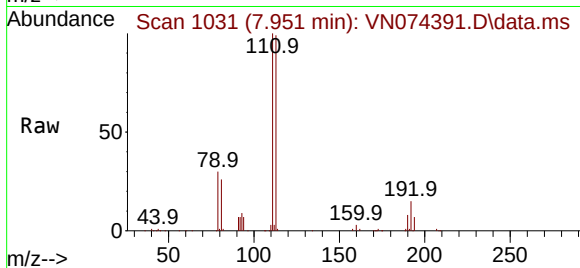
Tgt Ion:113 Resp: 201253

Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.4

192 17.3 13.7 20.5



#44

Trichloroethene

Concen: 120.498 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VN074391.D

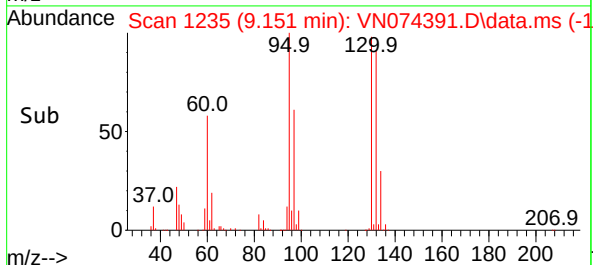
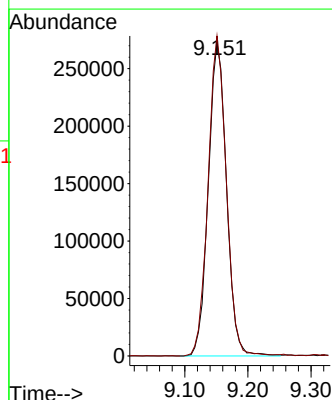
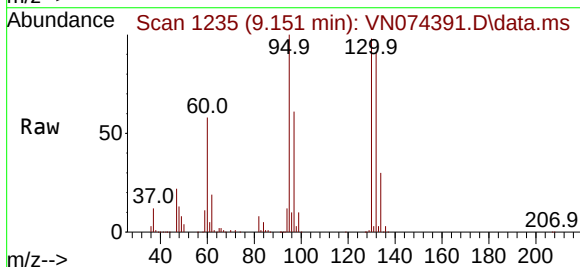
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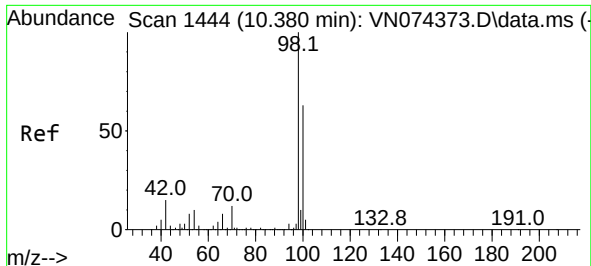
Tgt Ion:130 Resp: 545888

Ion Ratio Lower Upper

130 100

95 102.1 0.0 210.0

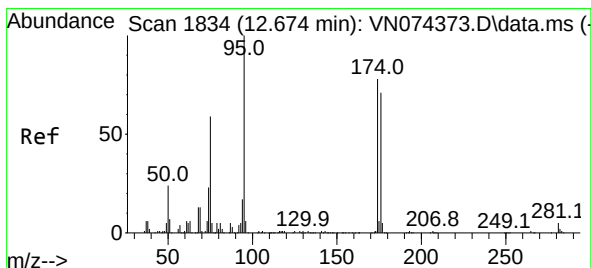
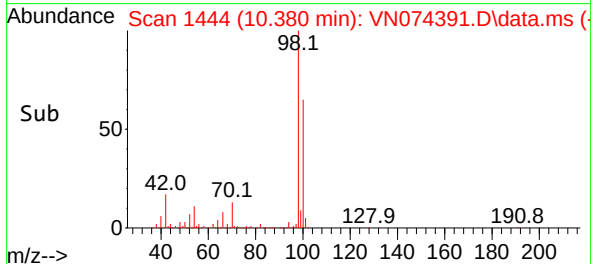
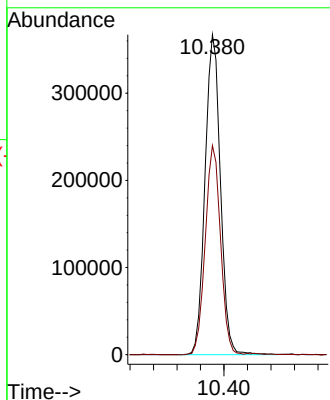
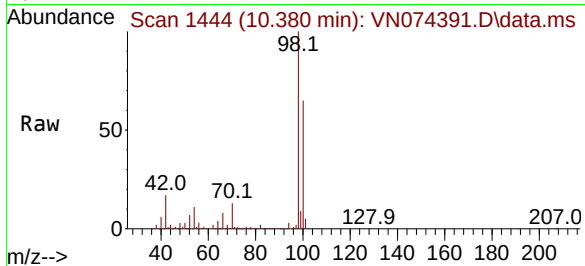




#50  
Toluene-d8  
Concen: 42.800 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN074391.D  
Acq: 09 Sep 2022 22:36

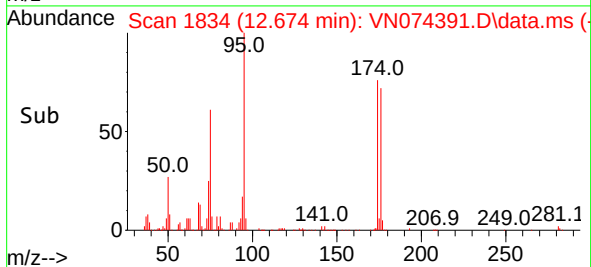
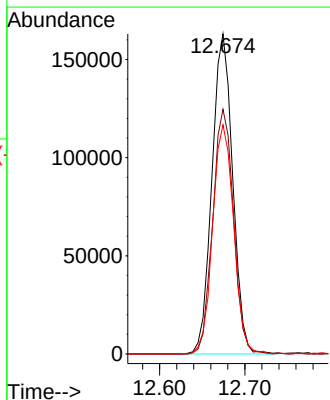
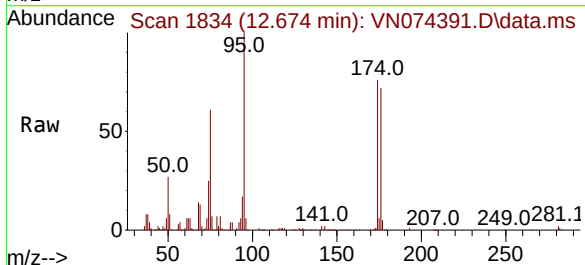
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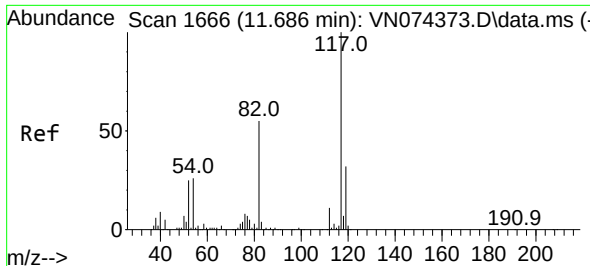
Tgt Ion: 98 Resp: 668100  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.6 76.0



#62  
4-Bromofluorobenzene  
Concen: 48.643 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN074391.D  
Acq: 09 Sep 2022 22:36

Tgt Ion: 95 Resp: 275678  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 150.6  
176 72.5 0.0 143.4

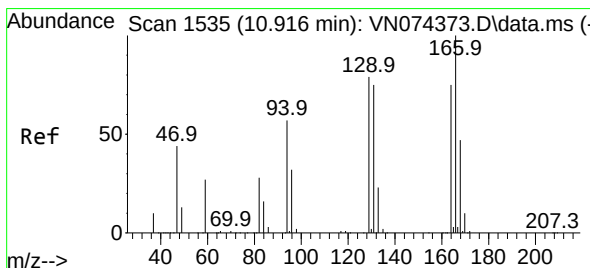
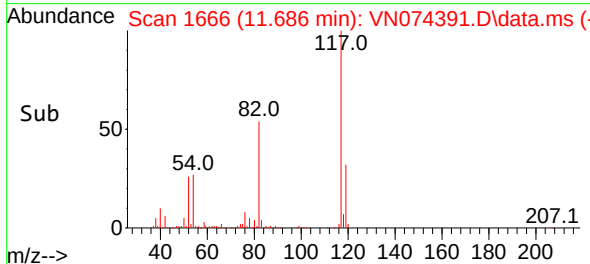
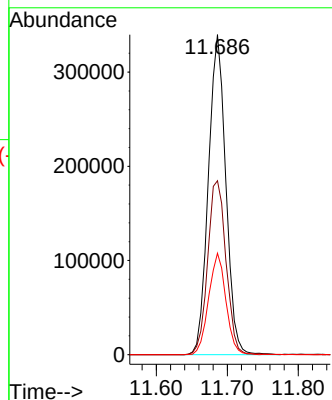
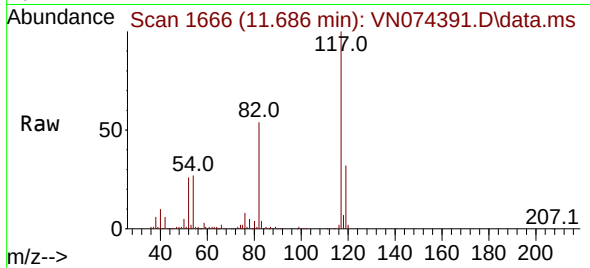




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN074391.D  
Acq: 09 Sep 2022 22:36

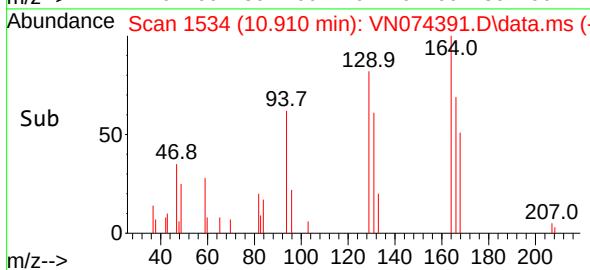
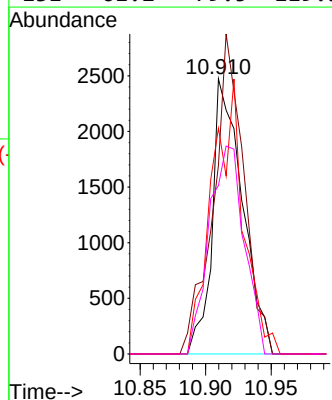
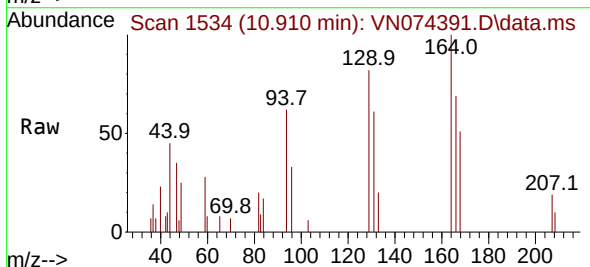
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Tgt Ion:117 Resp: 579506  
Ion Ratio Lower Upper  
117 100  
82 54.4 44.3 66.5  
119 31.7 25.5 38.3

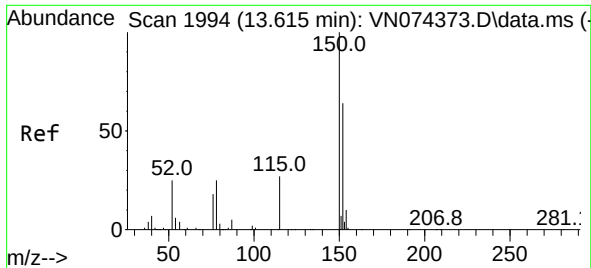


#64  
Tetrachloroethene  
Concen: 1.009 ug/l  
RT: 10.910 min Scan# 1534  
Delta R.T. -0.006 min  
Lab File: VN074391.D  
Acq: 09 Sep 2022 22:36

Tgt Ion:164 Resp: 3964  
Ion Ratio Lower Upper  
164 100  
166 68.5 106.6 160.0#  
129 82.0 84.0 126.0#  
131 61.2 79.5 119.3#

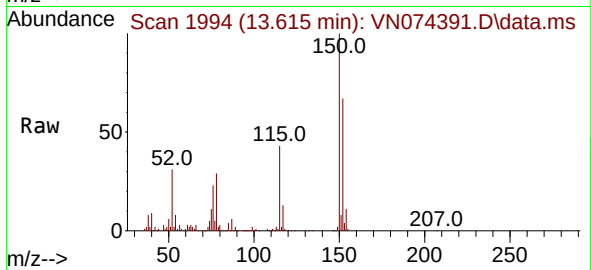






#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.615 min Scan# 1994  
 Delta R.T. 0.000 min  
 Lab File: VN074391.D  
 Acq: 09 Sep 2022 22:36

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EB01-083122



Tgt Ion:152 Resp: 267882

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 57.4  | 32.0  | 96.0  |
| 150 | 156.0 | 0.0   | 359.6 |

