

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090222\  
 Data File : VN074299.D  
 Acq On : 02 Sep 2022 20:59  
 Operator : JC\MD  
 Sample : N4376-04DL 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-38IDL

Quant Time: Sep 03 04:41:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090222W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 03 04:35:33 2022  
 Response via : Initial Calibration

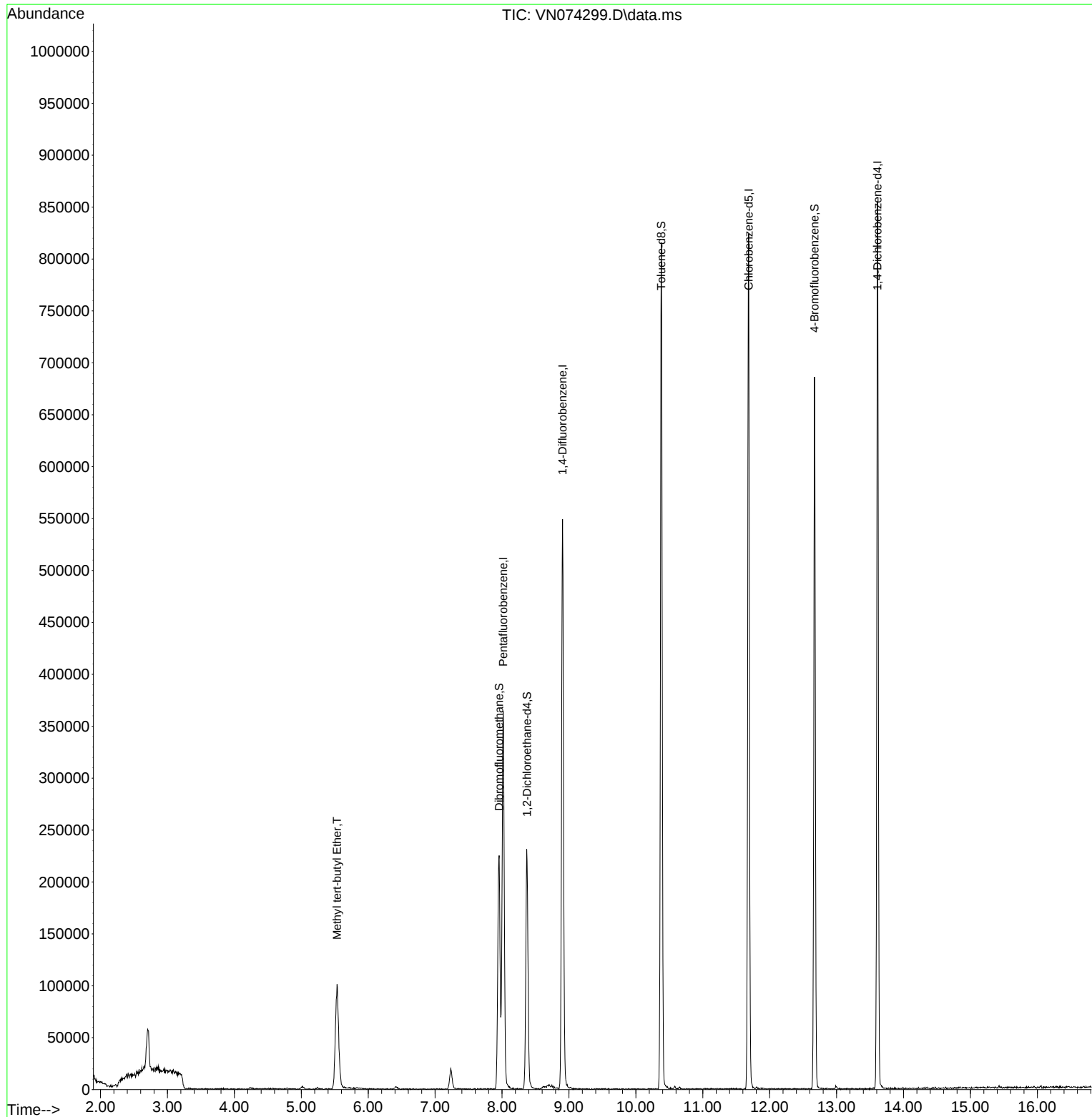
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 8.016  | 168   | 261490   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.904  | 114   | 477204   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.686 | 117   | 453285   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.610 | 152   | 207554   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.375  | 65    | 182870   | 44.863   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 89.720%   |
| 35) Dibromofluoromethane    | 7.957  | 113   | 158577   | 50.148   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 100.300%  |
| 50) Toluene-d8              | 10.381 | 98    | 557708   | 44.727   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 89.460%   |
| 62) 4-Bromofluorobenzene    | 12.669 | 95    | 202493   | 44.700   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 89.400%   |
| Target Compounds            |        |       |          |          |       |           |
| 19) Methyl tert-butyl Ether | 5.534  | 73    | 160958   | 15.777   | ug/l  | Qvalue 96 |
| -----                       |        |       |          |          |       |           |

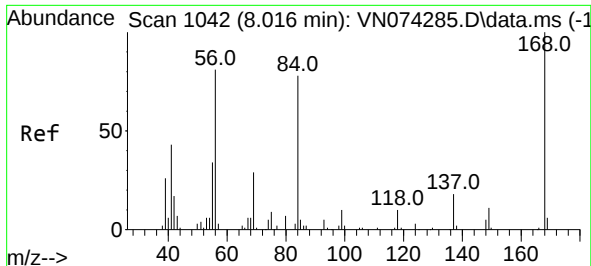
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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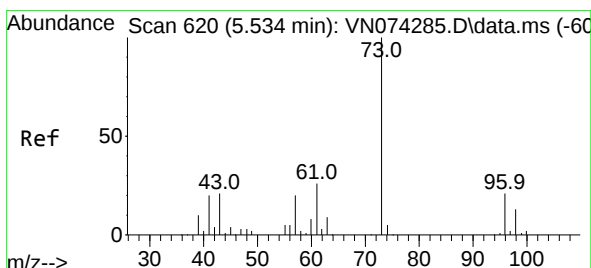
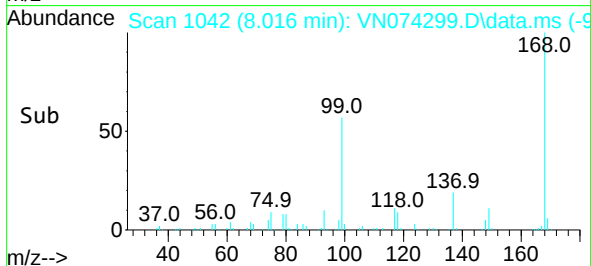
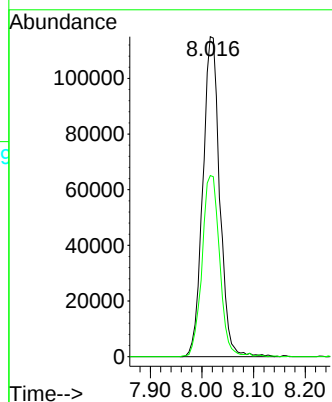
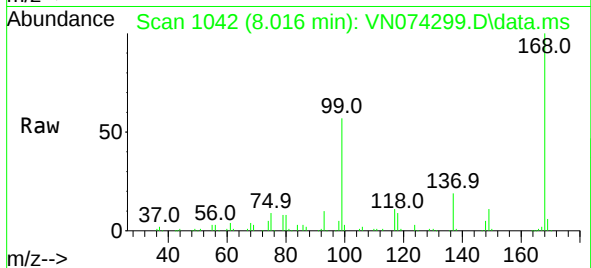




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. 0.000 min  
Lab File: VN074299.D  
Acq: 02 Sep 2022 20:59

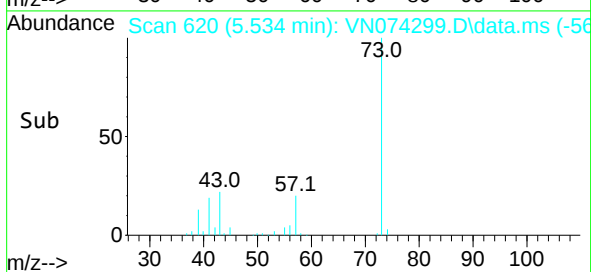
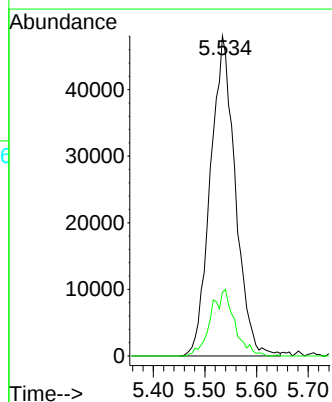
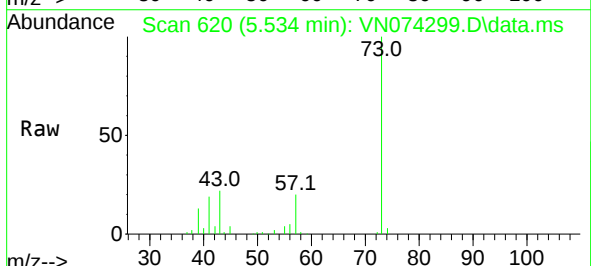
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-38IDL

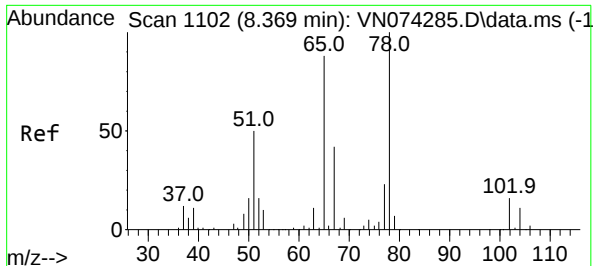
Tgt Ion:168 Resp: 261490  
Ion Ratio Lower Upper  
168 100  
99 56.6 42.3 63.5



#19  
Methyl tert-butyl Ether  
Concen: 15.777 ug/l  
RT: 5.534 min Scan# 620  
Delta R.T. -0.000 min  
Lab File: VN074299.D  
Acq: 02 Sep 2022 20:59

Tgt Ion: 73 Resp: 160958  
Ion Ratio Lower Upper  
73 100  
57 19.9 17.6 26.4





#33

1,2-Dichloroethane-d4

Concen: 44.863 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074299.D

Acq: 02 Sep 2022 20:59

Instrument :

MSVOA\_N

ClientSampleId :

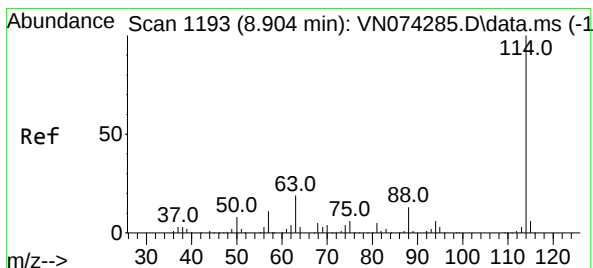
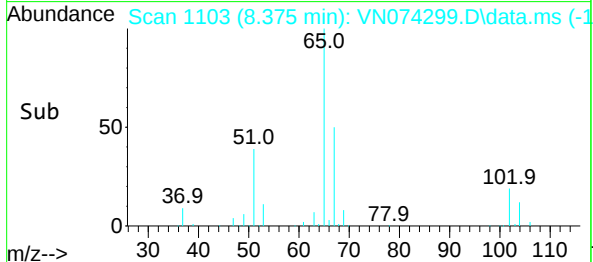
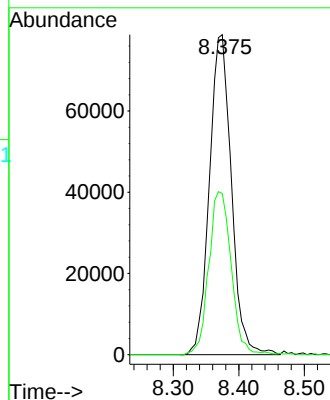
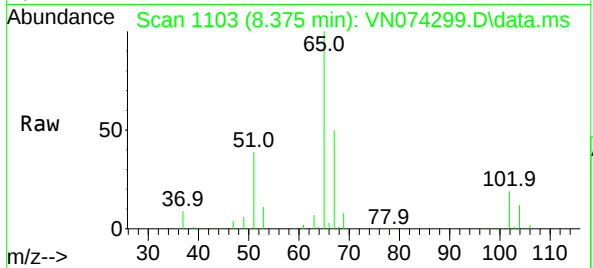
MW-38IDL

Tgt Ion: 65 Resp: 182870

Ion Ratio Lower Upper

65 100

67 52.0 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: VN074299.D

Acq: 02 Sep 2022 20:59

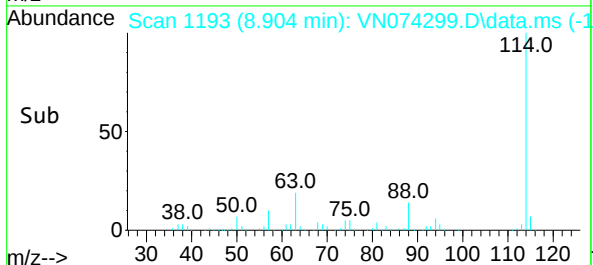
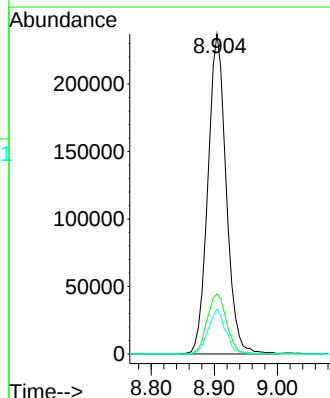
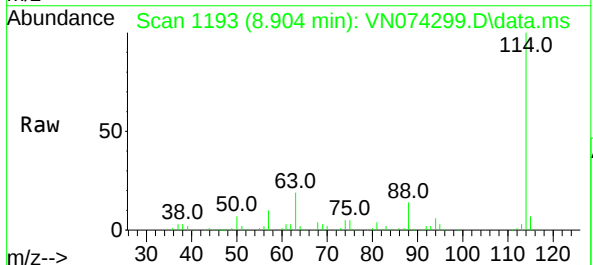
Tgt Ion: 114 Resp: 477204

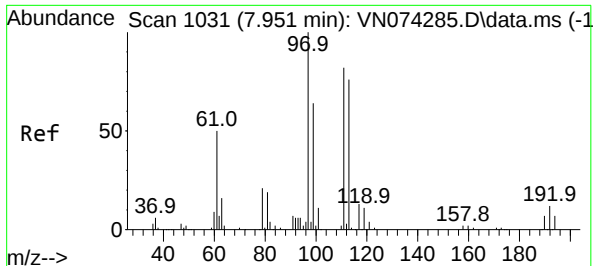
Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 14.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.148 ug/l

RT: 7.957 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VN074299.D

Acq: 02 Sep 2022 20:59

Instrument :

MSVOA\_N

ClientSampleId :

MW-38IDL

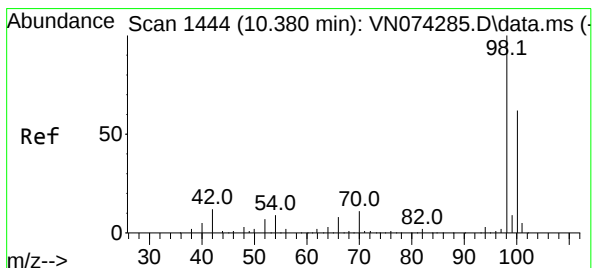
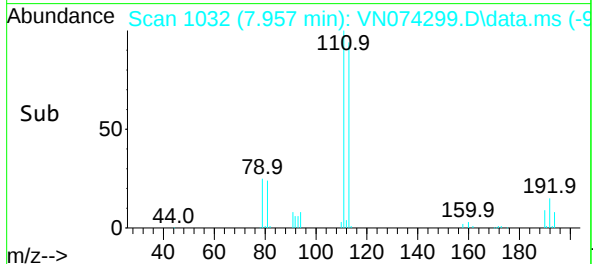
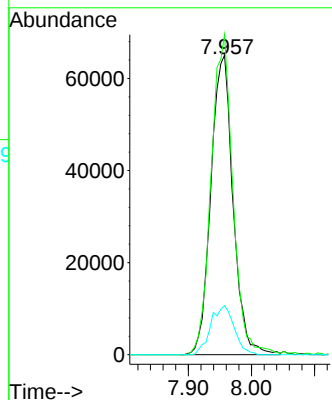
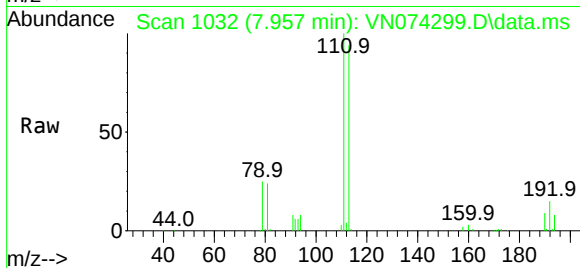
Tgt Ion:113 Resp: 158577

Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.0

192 17.4 17.0 25.6



#50

Toluene-d8

Concen: 44.727 ug/l

RT: 10.381 min Scan# 1444

Delta R.T. 0.001 min

Lab File: VN074299.D

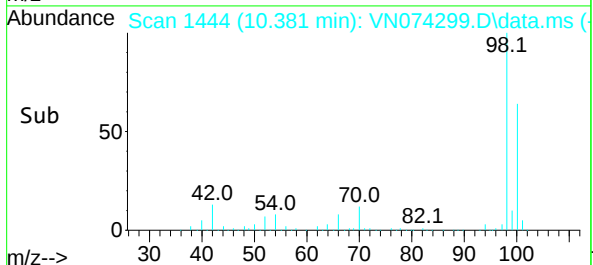
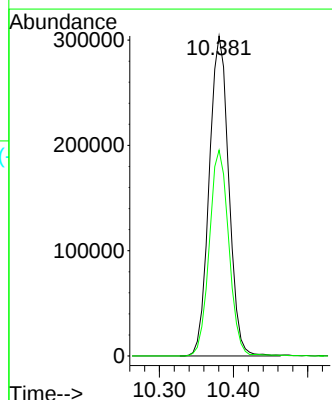
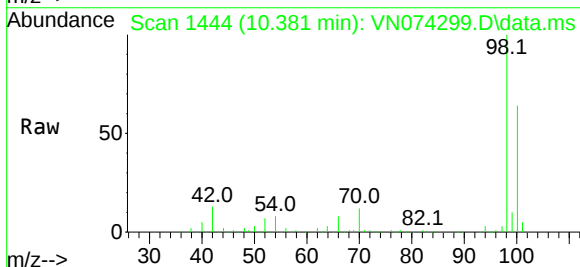
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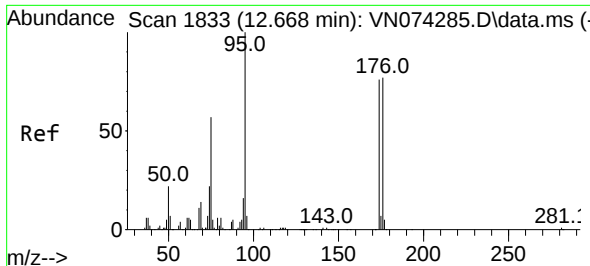
Tgt Ion: 98 Resp: 557708

Ion Ratio Lower Upper

98 100

100 64.2 52.6 78.8

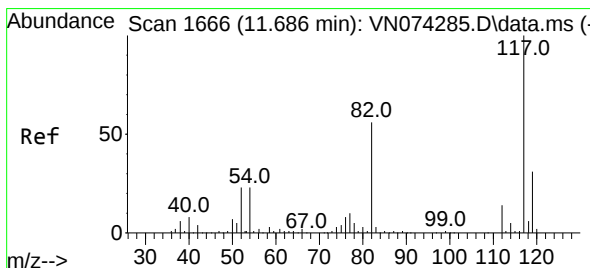
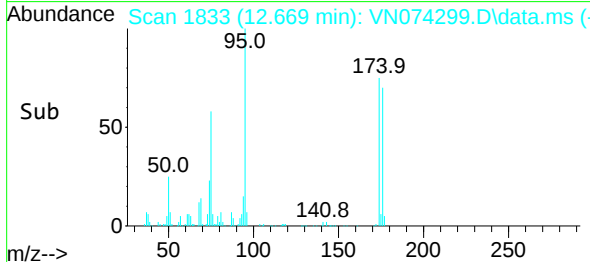
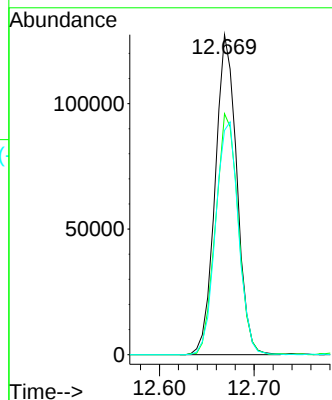
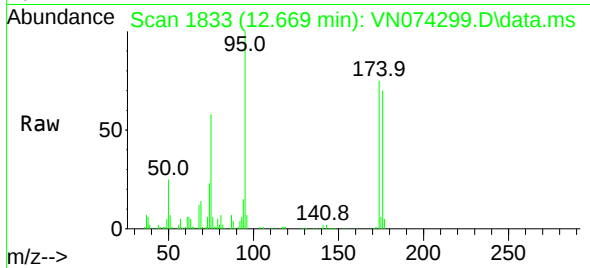




#62  
4-Bromofluorobenzene  
Concen: 44.700 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN074299.D  
Acq: 02 Sep 2022 20:59

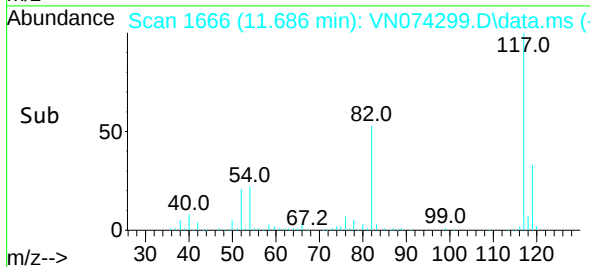
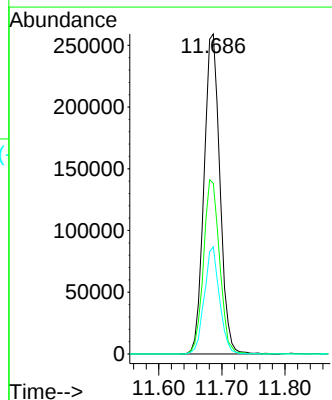
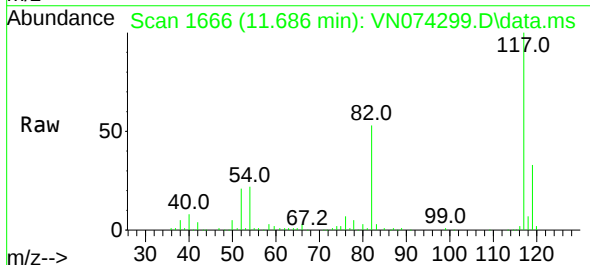
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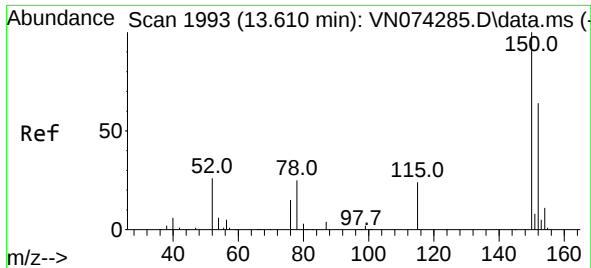
Tgt Ion: 95 Resp: 202493  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 167.6  
176 76.9 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN074299.D  
Acq: 02 Sep 2022 20:59

Tgt Ion: 117 Resp: 453285  
Ion Ratio Lower Upper  
117 100  
82 53.3 44.2 66.2  
119 33.4 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: VN074299.D  
 Acq: 02 Sep 2022 20:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-38IDL

Tgt Ion:152 Resp: 207554  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 57.4  | 28.9  | 86.7  |
| 150 | 156.1 | 0.0   | 356.2 |

