

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112522\  
 Data File : VN075433.D  
 Acq On : 25 Nov 2022 20:05  
 Operator : JC\MD  
 Sample : N5757-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE117D2-20221121

Quant Time: Nov 28 03:39:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

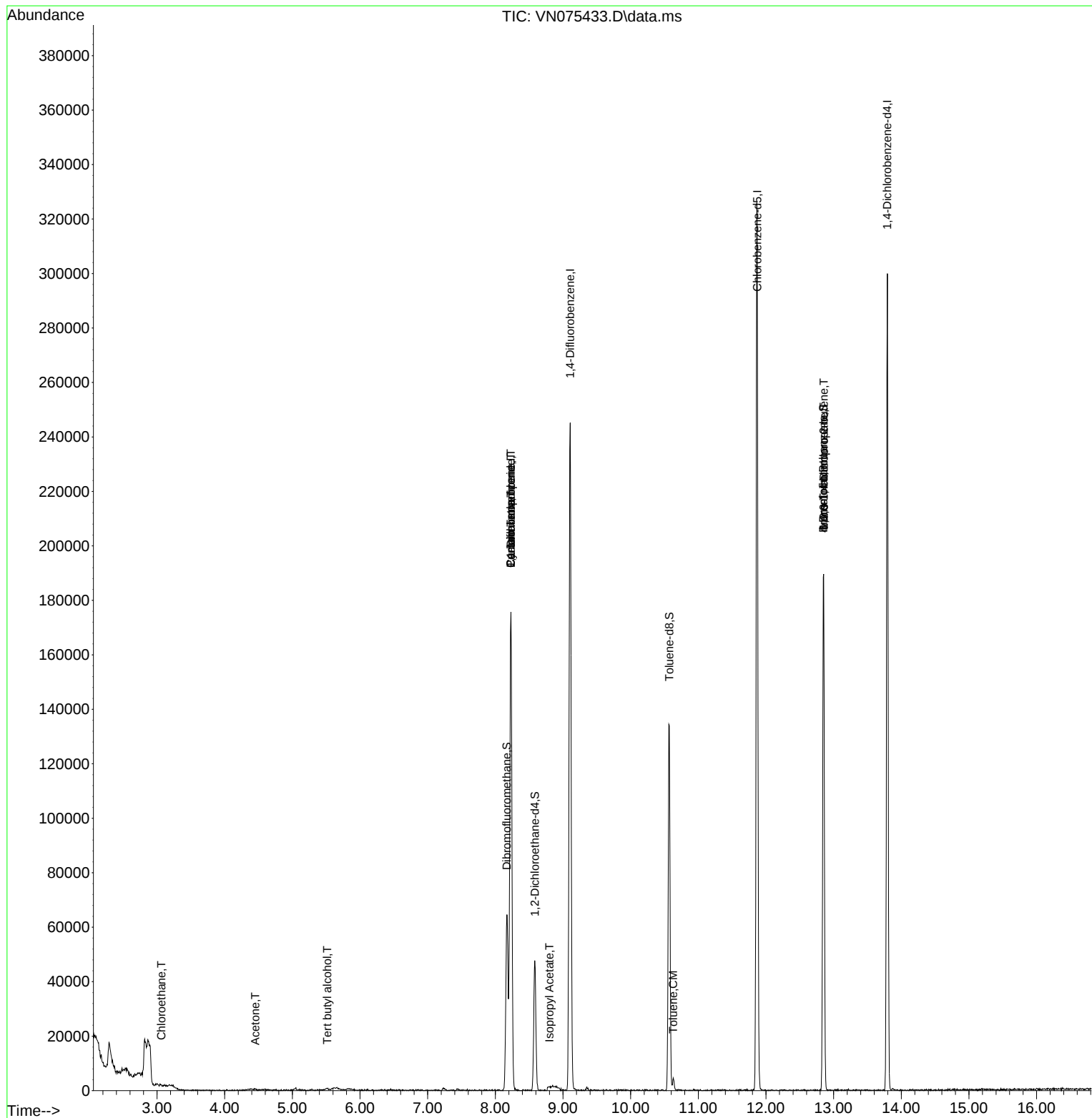
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.230          | 168  | 136840              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 234976              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.870         | 117  | 200354              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 83865               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.582          | 65   | 39386               | 53.620    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 107.240% |           |        |          |
| 35) Dibromofluoromethane      | 8.171          | 113  | 47853               | 51.842    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 103.680% |           |        |          |
| 50) Toluene-d8                | 10.571         | 98   | 98961               | 47.600    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 95.200%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 68150               | 44.411    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 88.820%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 6) Chloroethane               | 3.065          | 64   | 656                 | 0.528     | ug/l # | 45       |
| 11) Tert butyl alcohol        | 5.518          | 59   | 119                 | 0.386     | ug/l # | 72       |
| 16) Acetone                   | 4.453          | 43   | 300                 | 0.438     | ug/l # | 43       |
| 18) Methyl Acetate            | 5.047          | 43   | 1437                | Below Cal | #      | 77       |
| 20) Methylene Chloride        | 5.283          | 84   | 54                  | Below Cal | #      | 7        |
| 31) Cyclohexane               | 8.230          | 56   | 2181                | 0.935     | ug/l # | 9        |
| 36) 1,1-Dichloropropene       | 8.230          | 75   | 9763                | 4.850     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.230          | 117  | 13615               | 6.157     | ug/l # | 15       |
| 43) Isopropyl Acetate         | 8.800          | 43   | 1136                | 0.390     | ug/l # | 53       |
| 52) Toluene                   | 10.629         | 92   | 2239                | 0.564     | ug/l   | 93       |
| 71) Bromoform                 | 12.847         | 173  | 261                 | 0.222     | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.853         | 75   | 34226               | 21.585    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853         | 75   | 34226               | 63.864    | ug/l # | 10       |
| -----                         |                |      |                     |           |        |          |

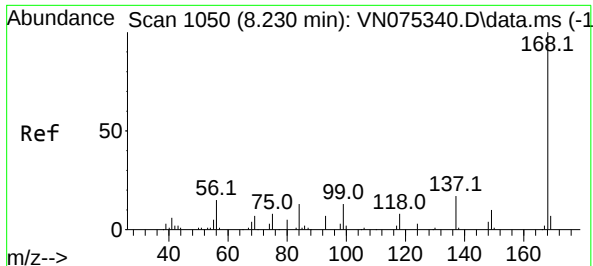
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112522\  
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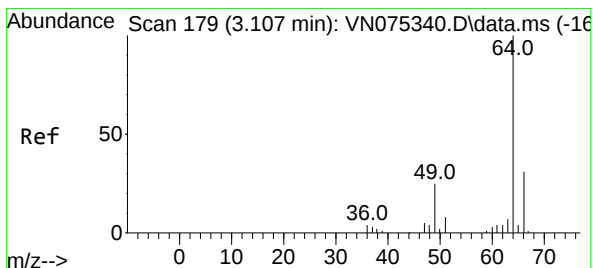
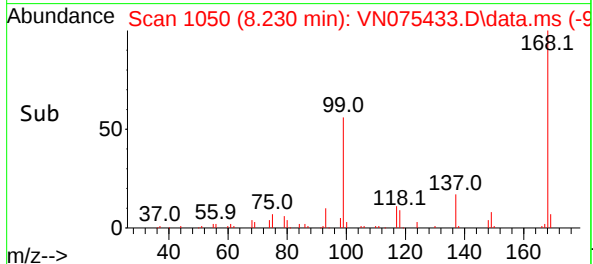
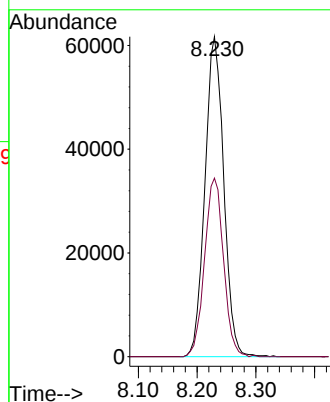
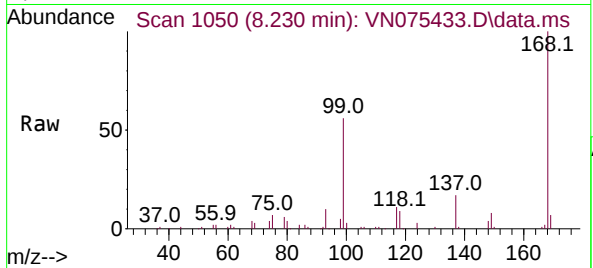




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

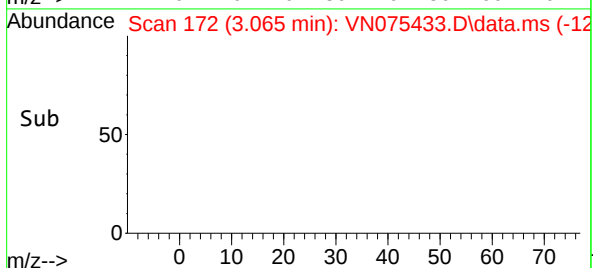
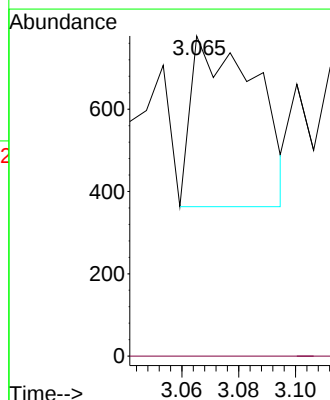
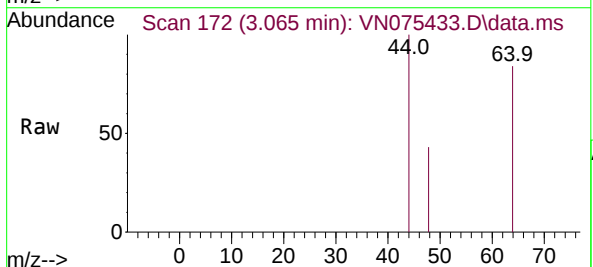
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20221121

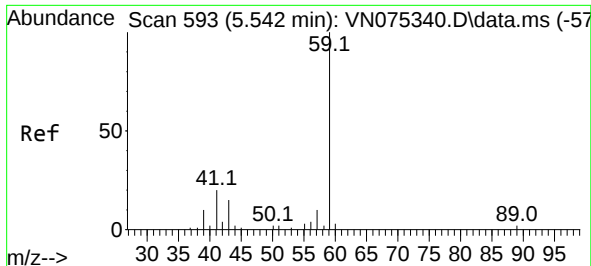
Tgt Ion:168 Resp: 136840  
Ion Ratio Lower Upper  
168 100  
99 55.8 51.6 77.4



#6  
Chloroethane  
Concen: 0.528 ug/l  
RT: 3.065 min Scan# 172  
Delta R.T. -0.042 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

Tgt Ion: 64 Resp: 656  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.8 35.8#

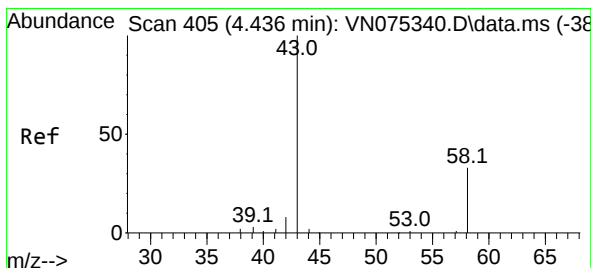
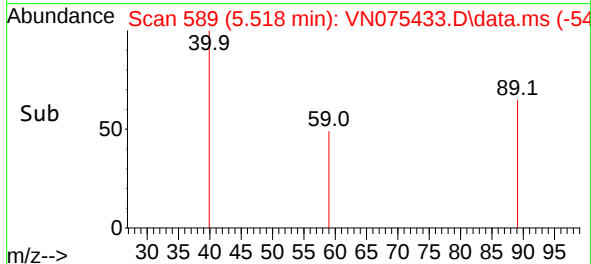
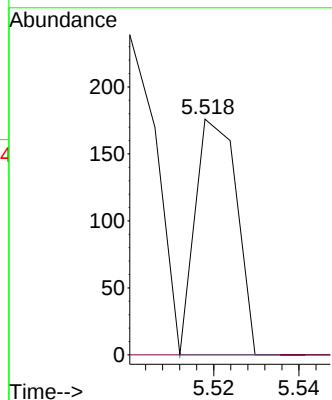
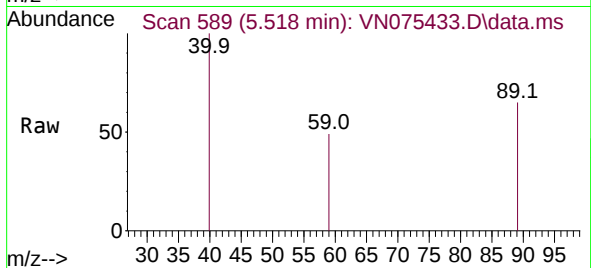




#11  
Tert butyl alcohol  
Concen: 0.386 ug/l  
RT: 5.518 min Scan# 51  
Delta R.T. -0.024 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

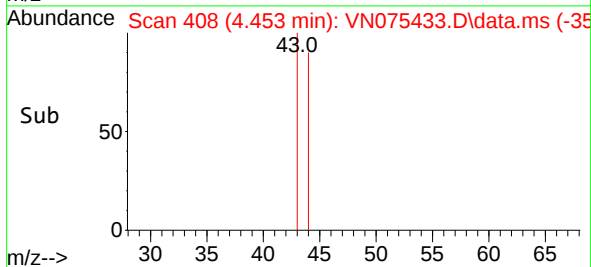
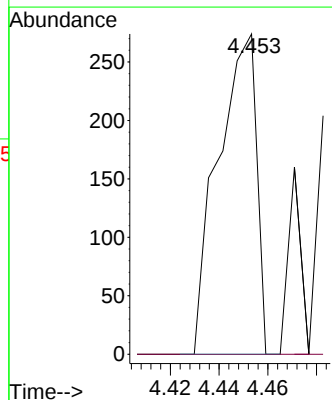
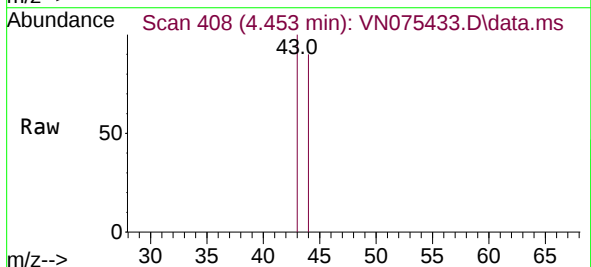
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20221121

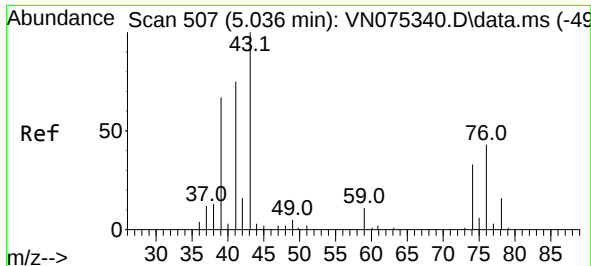
Tgt Ion: 59 Resp: 119  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#



#16  
Acetone  
Concen: 0.438 ug/l  
RT: 4.453 min Scan# 408  
Delta R.T. 0.017 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

Tgt Ion: 43 Resp: 300  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.5 38.3#

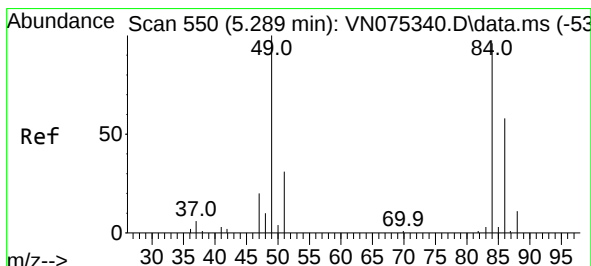
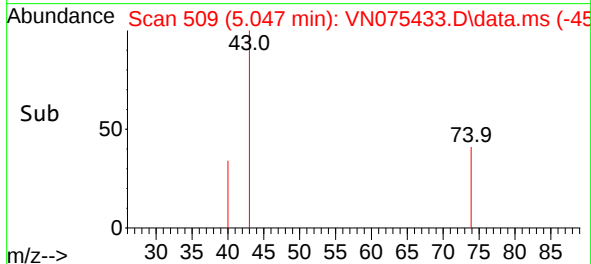
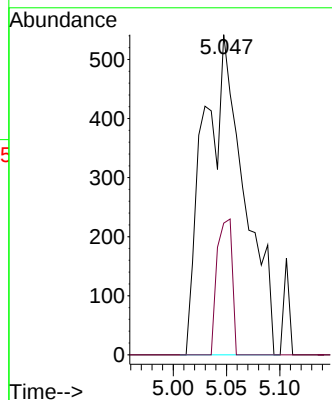
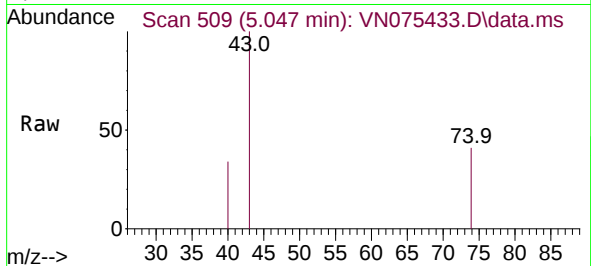




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.047 min Scan# 509  
Delta R.T. 0.011 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

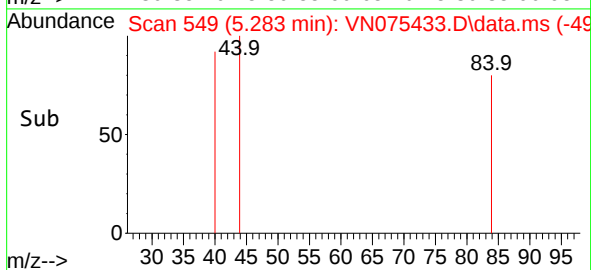
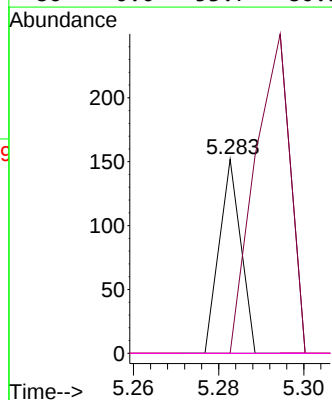
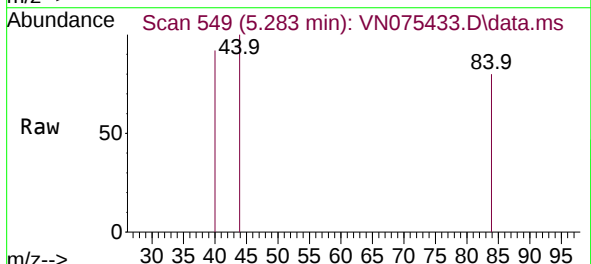
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20221121

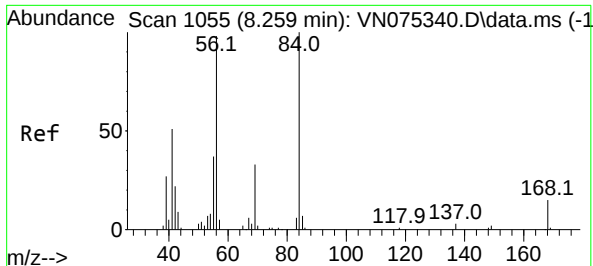
Tgt Ion: 43 Resp: 1437  
Ion Ratio Lower Upper  
43 100  
74 15.6 22.0 33.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.283 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

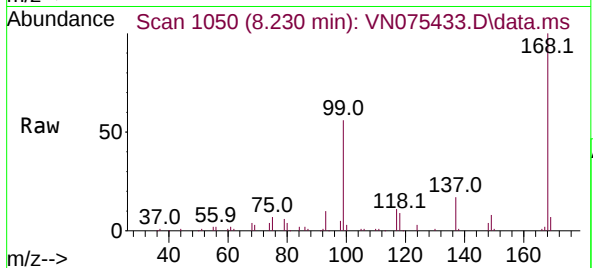
Tgt Ion: 84 Resp: 54  
Ion Ratio Lower Upper  
84 100  
49 0.0 94.9 142.3#  
51 0.0 26.8 40.2#  
86 0.0 53.7 80.5#



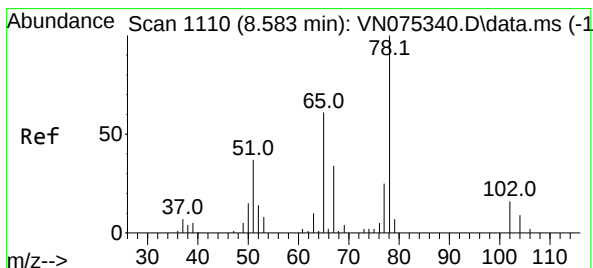
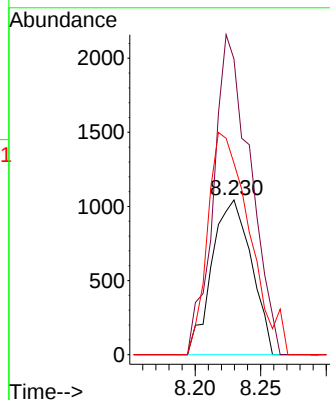
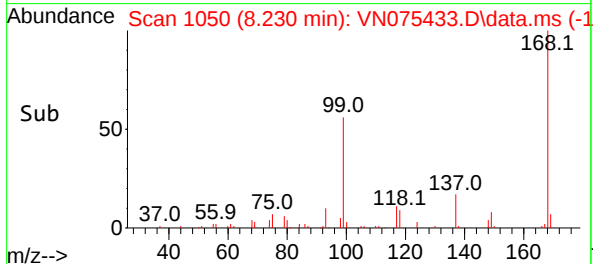


#31  
Cyclohexane  
Concen: 0.935 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.029 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20221121

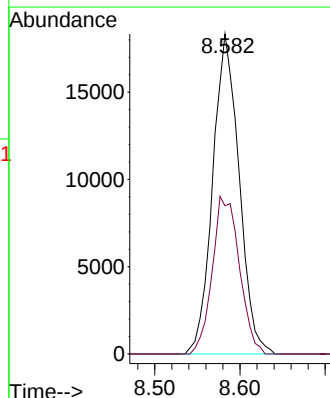
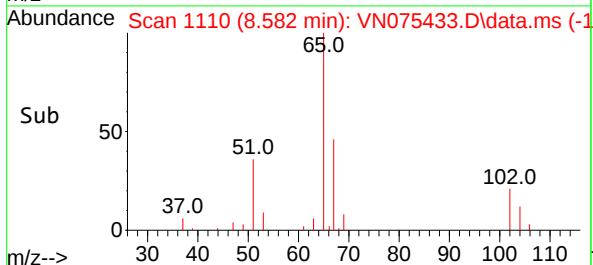
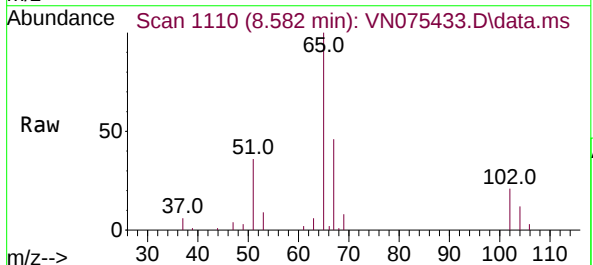


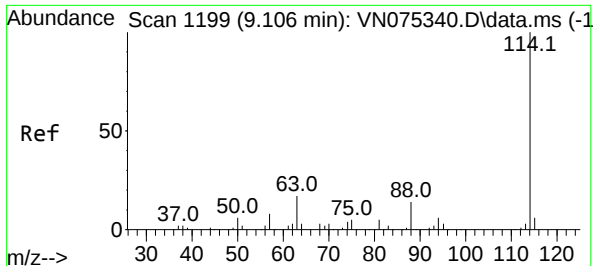
Tgt Ion: 56 Resp: 2181  
Ion Ratio Lower Upper  
56 100  
69 191.1 25.2 37.8#  
84 123.8 77.8 116.8#



#33  
1,2-Dichloroethane-d4  
Concen: 53.620 ug/l  
RT: 8.582 min Scan# 1110  
Delta R.T. -0.001 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

Tgt Ion: 65 Resp: 39386  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075433.D

Acq: 25 Nov 2022 20:05

Instrument :

MSVOA\_N

ClientSampleId :

RE117D2-20221121

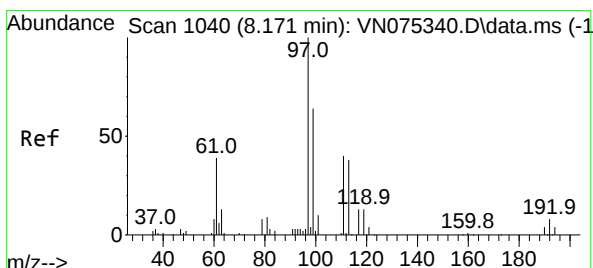
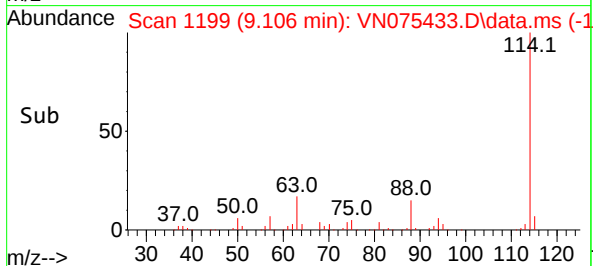
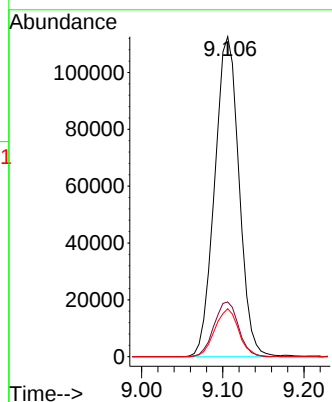
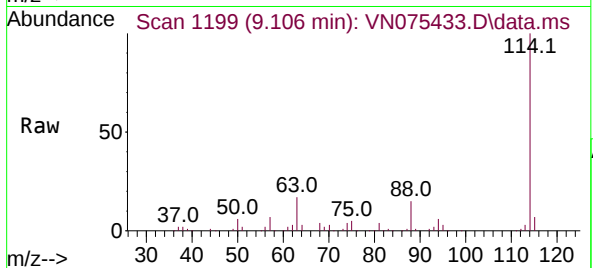
Tgt Ion:114 Resp: 234976

Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.842 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075433.D

Acq: 25 Nov 2022 20:05

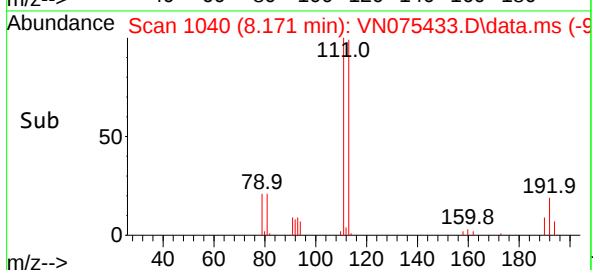
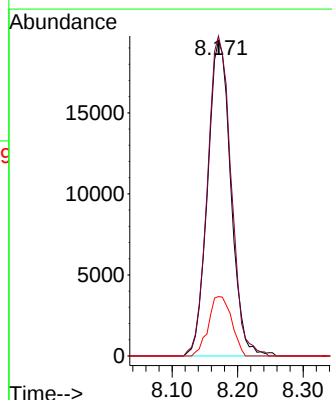
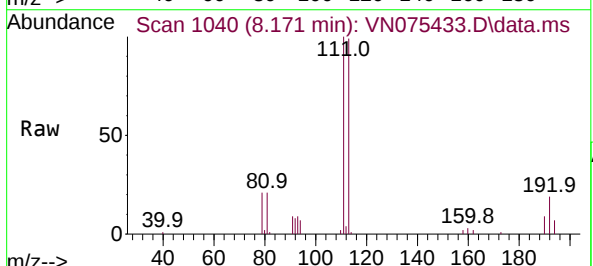
Tgt Ion:113 Resp: 47853

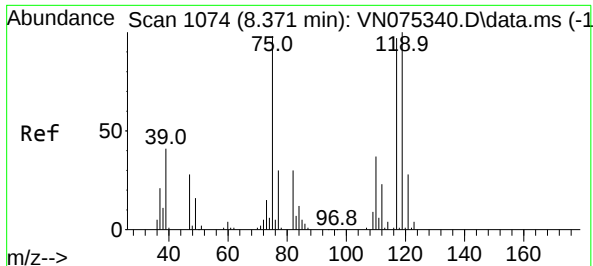
Ion Ratio Lower Upper

113 100

111 103.4 80.5 120.7

192 18.7 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.850 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075433.D

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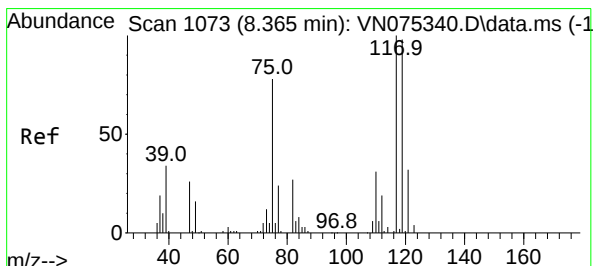
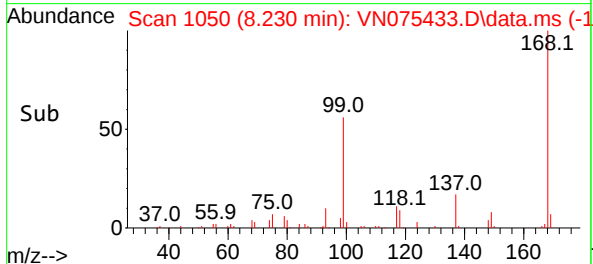
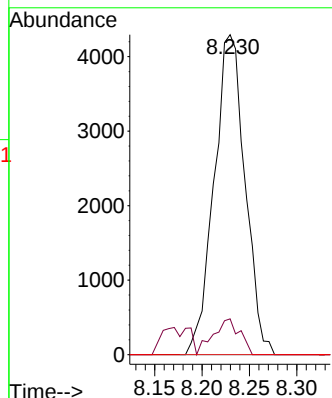
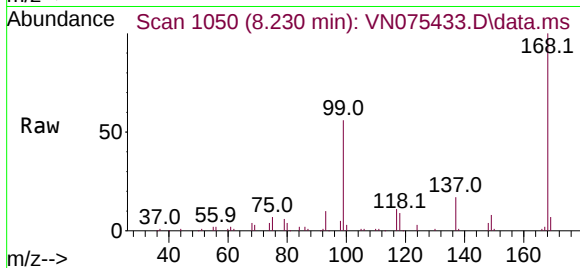
Tgt Ion: 75 Resp: 9763

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.157 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075433.D

Acq: 25 Nov 2022 20:05

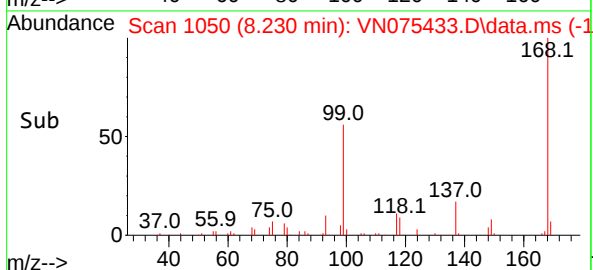
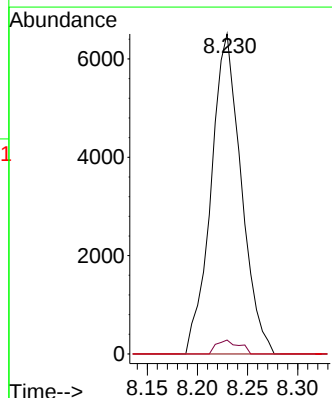
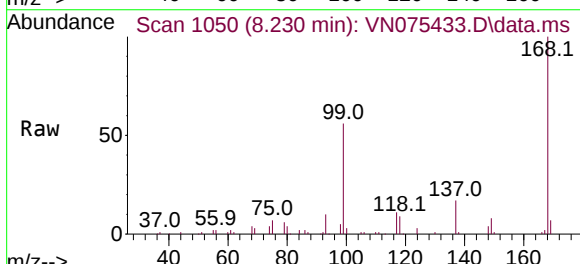
Tgt Ion: 117 Resp: 13615

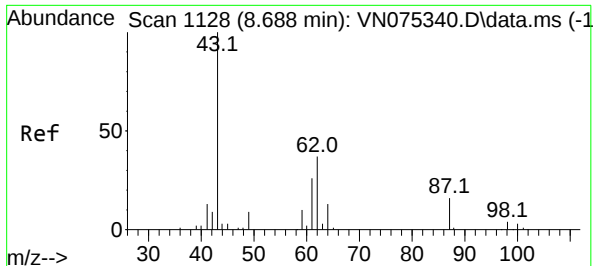
Ion Ratio Lower Upper

117 100

119 4.3 76.7 115.1#

121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 0.390 ug/l

RT: 8.800 min Scan# 1128

Delta R.T. 0.112 min

Lab File: VN075433.D

Acq: 25 Nov 2022 20:05

Instrument :

MSVOA\_N

ClientSampleId :

RE117D2-20221121

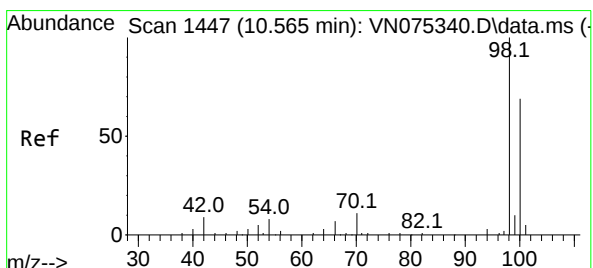
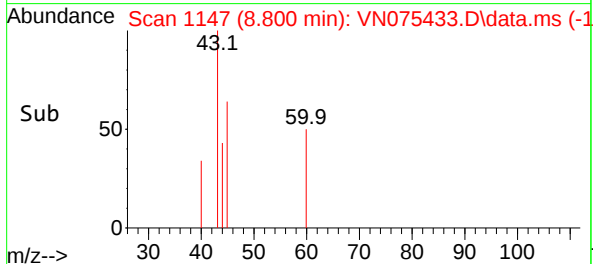
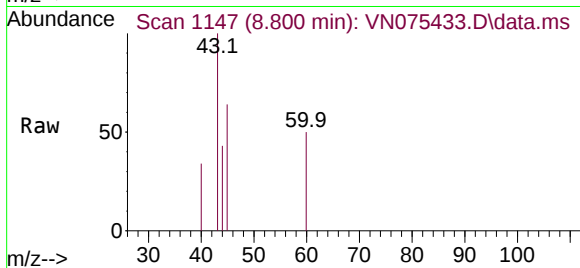
Tgt Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#



#50

Toluene-d8

Concen: 47.600 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075433.D

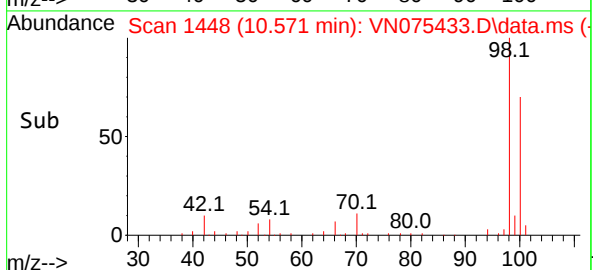
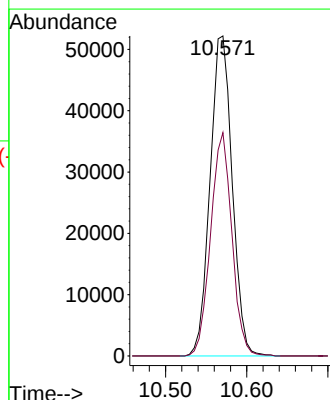
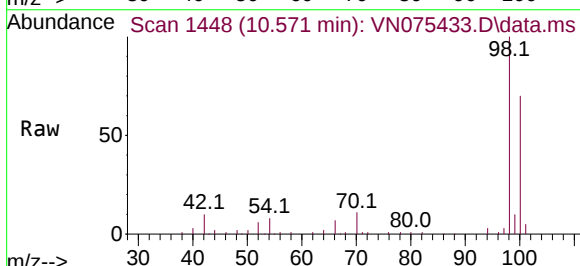
Acq: 25 Nov 2022 20:05

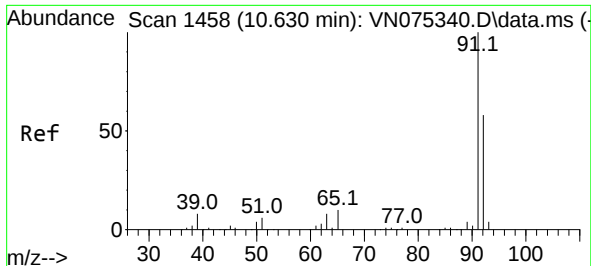
Tgt Ion: 98 Resp: 98961

Ion Ratio Lower Upper

98 100

100 67.0 53.0 79.6

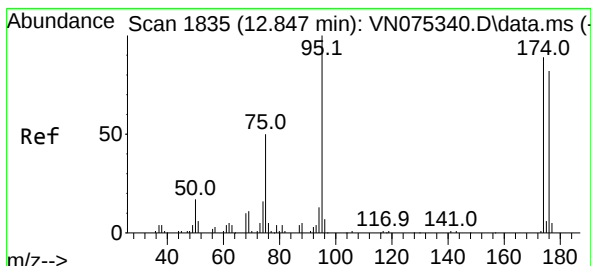
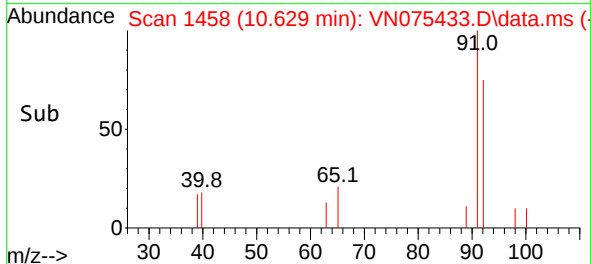
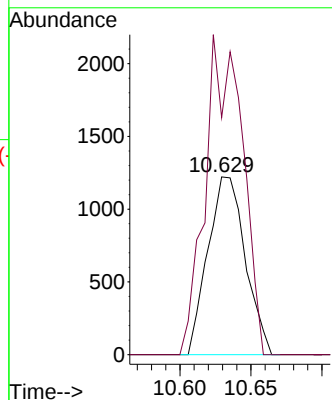
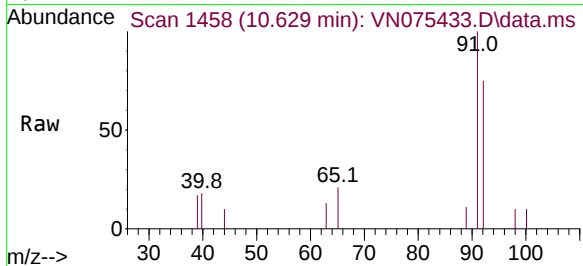




#52  
Toluene  
Concen: 0.564 ug/l  
RT: 10.629 min Scan# 1458  
Delta R.T. -0.001 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

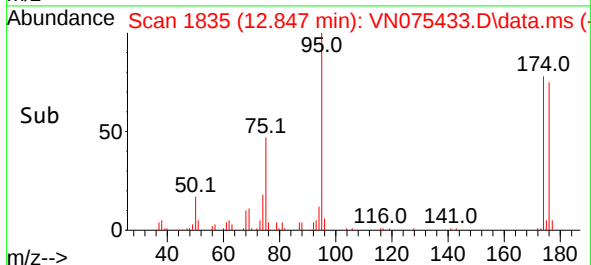
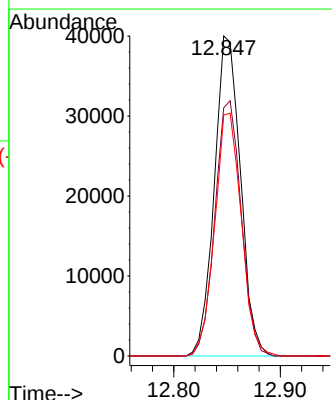
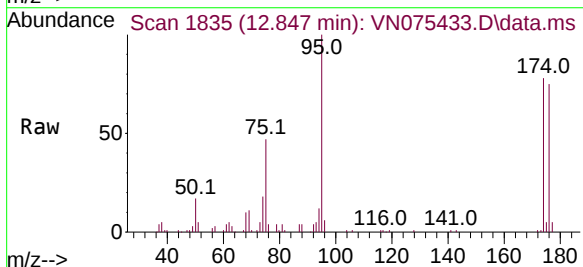
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20221121

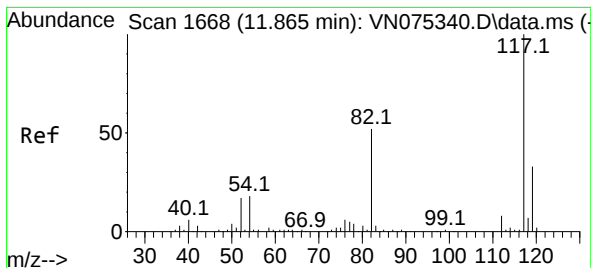
Tgt Ion: 92 Resp: 2239  
Ion Ratio Lower Upper  
92 100  
91 178.3 135.4 203.2



#62  
4-Bromofluorobenzene  
Concen: 44.411 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. -0.000 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

Tgt Ion: 95 Resp: 68150  
Ion Ratio Lower Upper  
95 100  
174 80.3 0.0 147.4  
176 77.3 0.0 142.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN075433.D

Acq: 25 Nov 2022 20:05

Instrument :

MSVOA\_N

ClientSampleId :

RE117D2-20221121

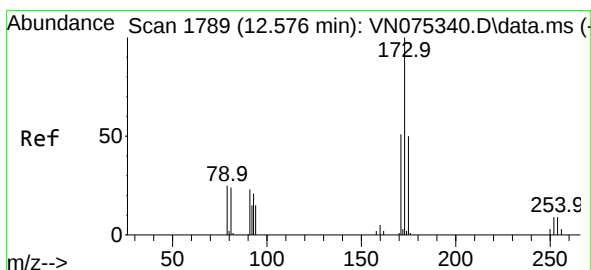
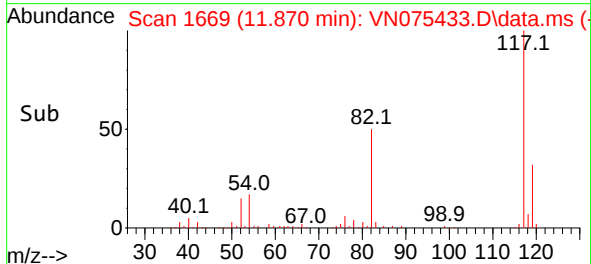
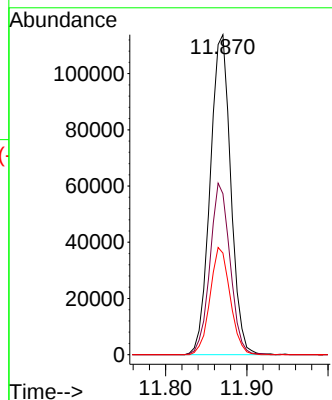
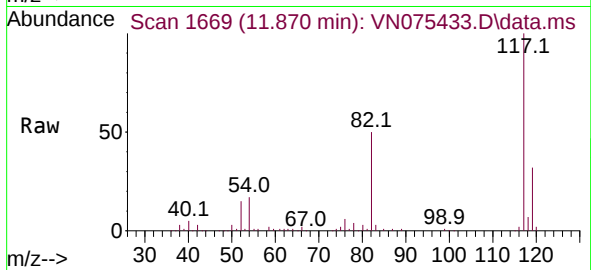
Tgt Ion:117 Resp: 200354

Ion Ratio Lower Upper

117 100

82 50.3 43.1 64.7

119 31.8 25.5 38.3



#71

Bromoform

Concen: 0.222 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.271 min

Lab File: VN075433.D

Acq: 25 Nov 2022 20:05

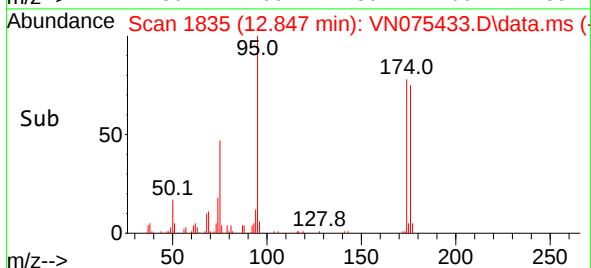
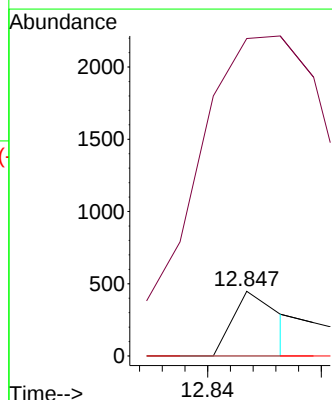
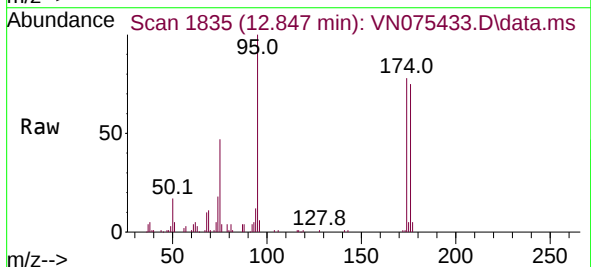
Tgt Ion:173 Resp: 261

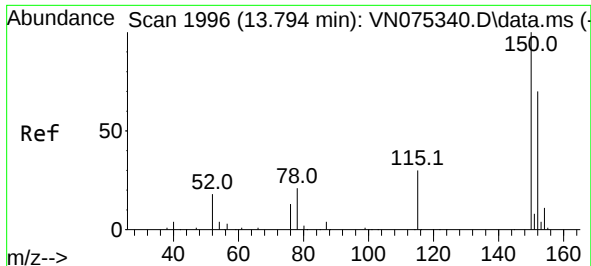
Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0

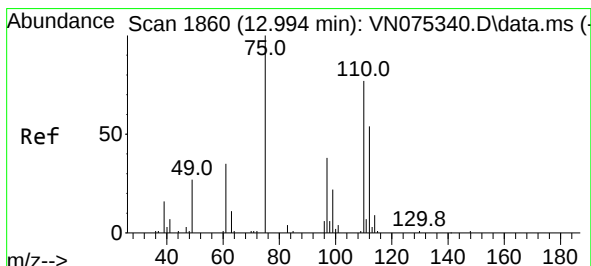
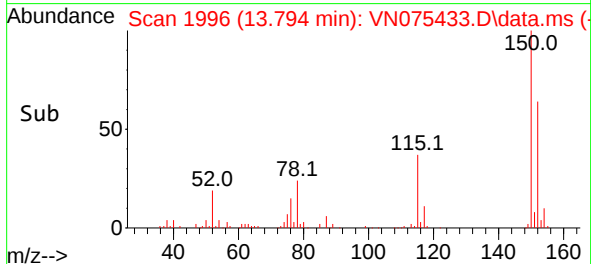
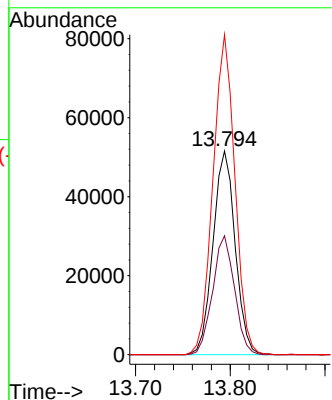
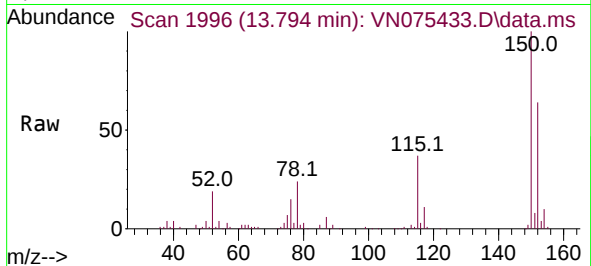




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

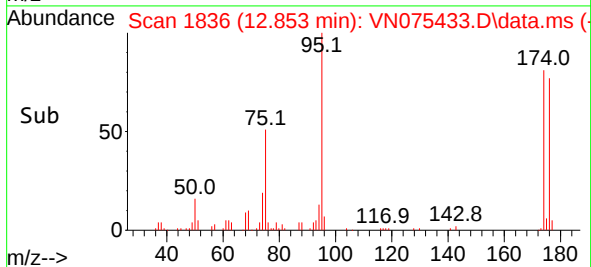
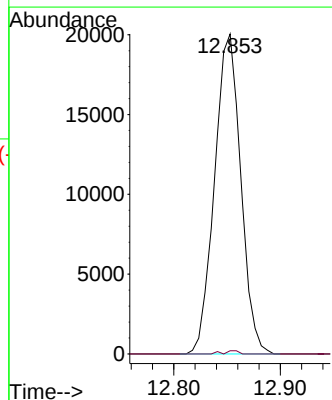
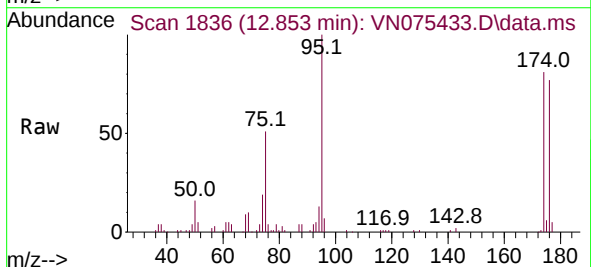
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE117D2-20221121

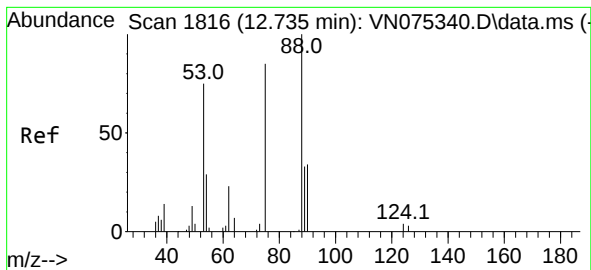
Tgt Ion:152 Resp: 83865  
Ion Ratio Lower Upper  
152 100  
115 57.6 30.2 90.6  
150 155.0 0.0 348.4



#76  
1,2,3-Trichloropropane  
Concen: 21.585 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN075433.D  
Acq: 25 Nov 2022 20:05

Tgt Ion: 75 Resp: 34226  
Ion Ratio Lower Upper  
75 100  
77 0.6 75.6 226.8#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 63.864 ug/l  
 RT: 12.853 min Scan# 11  
 Delta R.T. 0.118 min  
 Lab File: VN075433.D  
 Acq: 25 Nov 2022 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE117D2-20221121

Tgt Ion: 75 Resp: 34226  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 78.5 117.7#  
 89 0.0 37.7 56.5#

