

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110222\  
 Data File : VN075124.D  
 Acq On : 02 Nov 2022 18:04  
 Operator : JC\MD  
 Sample : N5395-14  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S-1-103122

Quant Time: Nov 03 04:21:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 09:48:49 2022  
 Response via : Initial Calibration

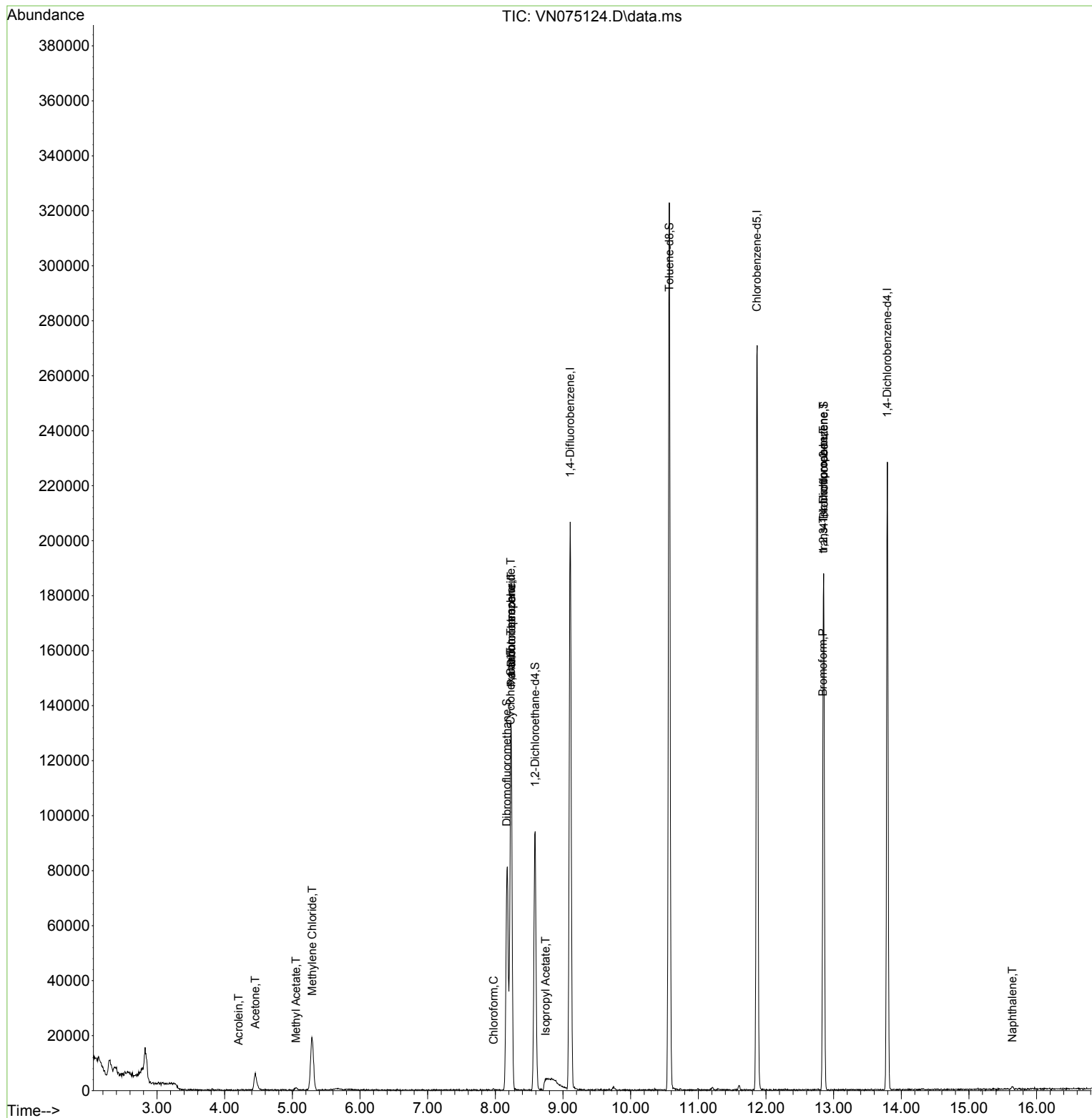
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 8.235  | 168            | 93494    | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114            | 179042   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117            | 153371   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152            | 57095    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.588  | 65             | 76945    | 61.081     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 74 - 125 | Recovery | = 122.160% |        |          |
| 35) Dibromofluoromethane      | 8.171  | 113            | 59339    | 56.456     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | = 112.920% |        |          |
| 50) Toluene-d8                | 10.571 | 98             | 216854   | 53.178     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 86 - 113 | Recovery | = 106.360% |        |          |
| 62) 4-Bromofluorobenzene      | 12.853 | 95             | 63304    | 44.192     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | = 88.380%  |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            | Qvalue |          |
| 13) Acrolein                  | 4.206  | 56             | 53       | 0.221      | ug/l # | 15       |
| 16) Acetone                   | 4.453  | 43             | 11510    | 21.579     | ug/l   | 99       |
| 18) Methyl Acetate            | 5.053  | 43             | 1620     | 0.930      | ug/l # | 70       |
| 20) Methylene Chloride        | 5.294  | 84             | 15541    | 13.067     | ug/l   | 92       |
| 30) Chloroform                | 7.977  | 83             | 686      | 0.313      | ug/l # | 18       |
| 31) Cyclohexane               | 8.224  | 56             | 2456     | 1.311      | ug/l # | 42       |
| 36) 1,1-Dichloropropene       | 8.235  | 75             | 8301     | 5.101      | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 8.230  | 117            | 10757    | 6.010      | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.741  | 43             | 3708     | 1.340      | ug/l # | 53       |
| 71) Bromoform                 | 12.841 | 173            | 363      | 0.399      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75             | 35570    | 29.341     | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75             | 35570    | 75.319     | ug/l # | 10       |
| 95) Naphthalene               | 15.641 | 128            | 1262     | 0.388      | ug/l # | 75       |
| -----                         |        |                |          |            |        |          |

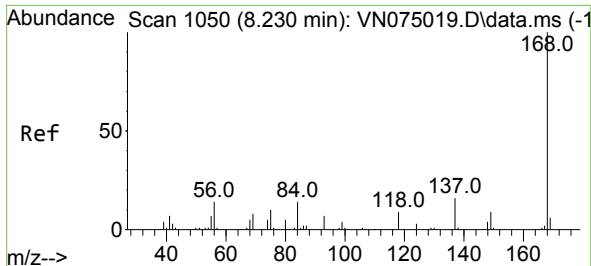
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
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S-1-103122

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Quant Title : SW846 8260  
QLast Update : Thu Oct 27 09:48:49 2022  
Response via : Initial Calibration

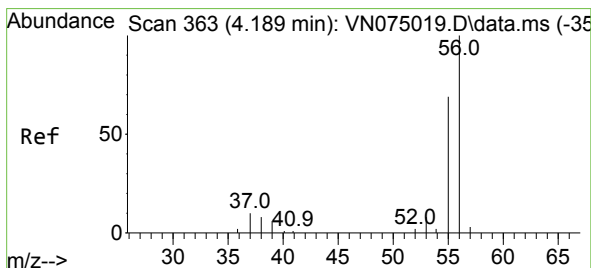
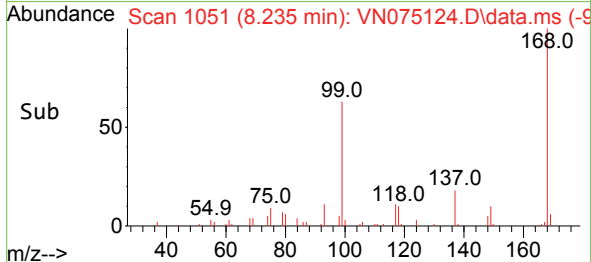
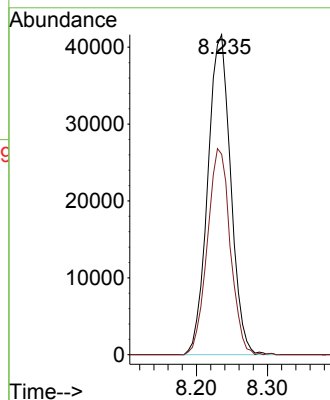
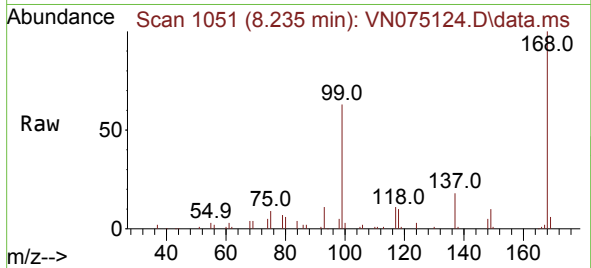




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1050  
Delta R.T. 0.005 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

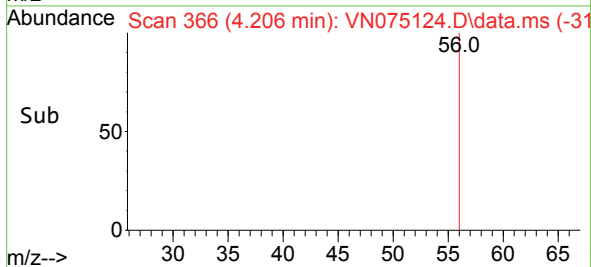
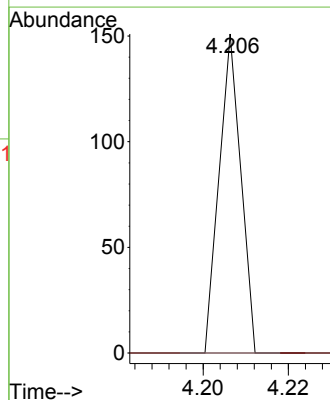
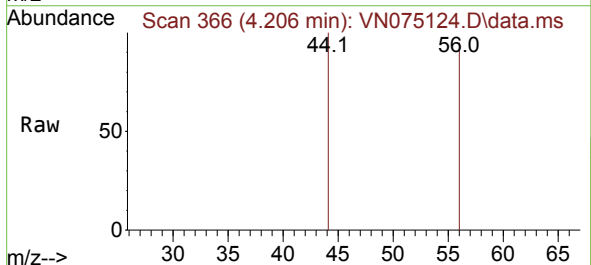
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-1-103122

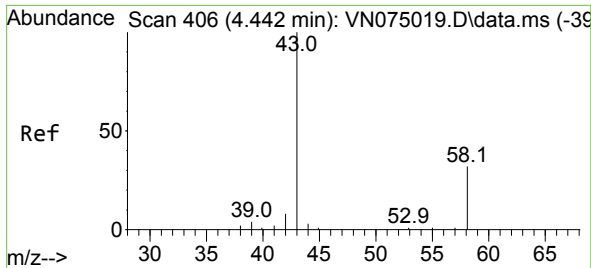
Tgt Ion:168 Resp: 93494  
Ion Ratio Lower Upper  
168 100  
99 62.6 51.6 77.4



#13  
Acrolein  
Concen: 0.221 ug/l  
RT: 4.206 min Scan# 366  
Delta R.T. 0.017 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

Tgt Ion: 56 Resp: 53  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.2 82.8#

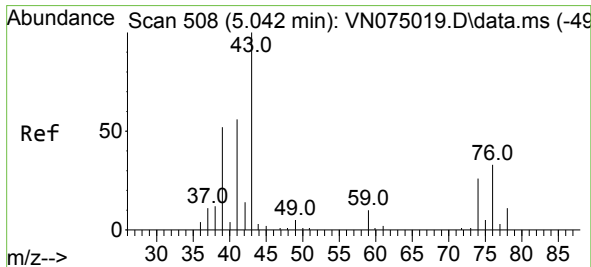
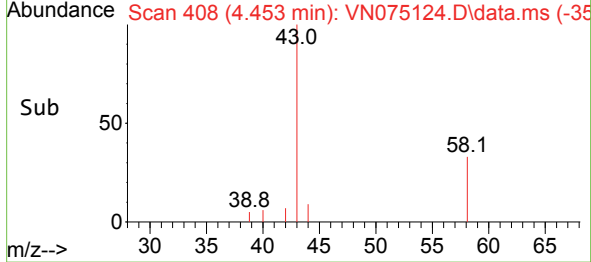
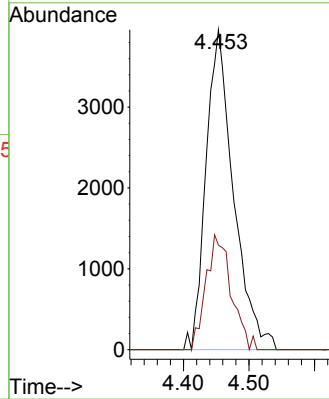
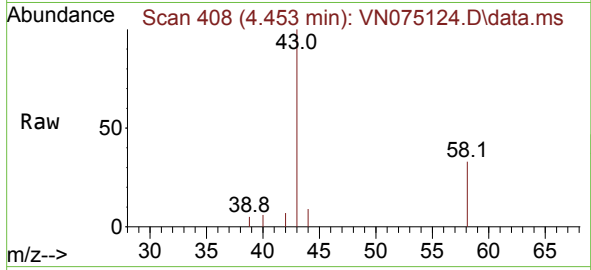




#16  
Acetone  
Concen: 21.579 ug/l  
RT: 4.453 min Scan# 406  
Delta R.T. 0.011 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

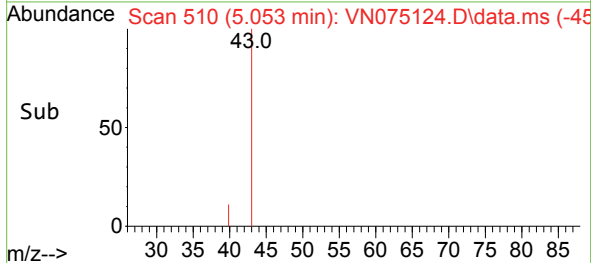
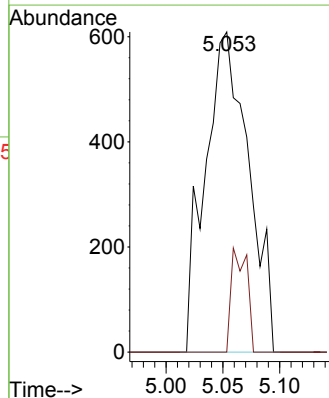
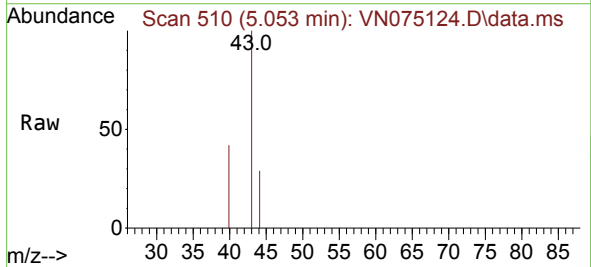
Instrument :  
MSVOA\_N  
ClientSampleId :  
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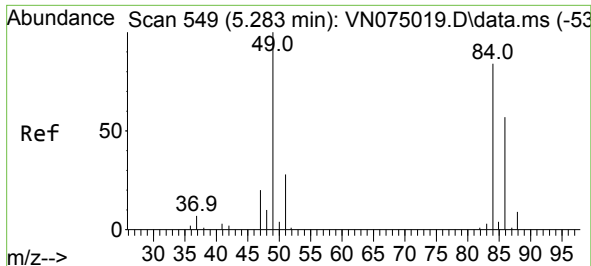
Tgt Ion: 43 Resp: 11510  
Ion Ratio Lower Upper  
43 100  
58 32.7 25.5 38.3



#18  
Methyl Acetate  
Concen: 0.930 ug/l  
RT: 5.053 min Scan# 510  
Delta R.T. 0.011 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

Tgt Ion: 43 Resp: 1620  
Ion Ratio Lower Upper  
43 100  
74 11.7 22.0 33.0#

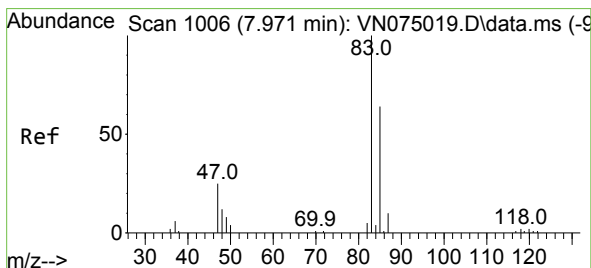
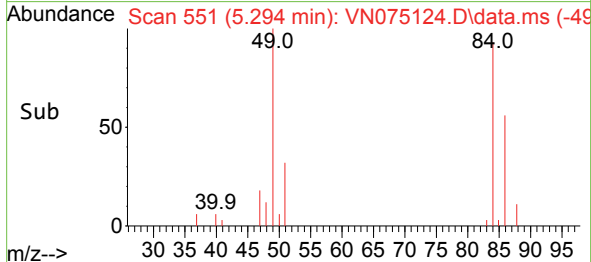
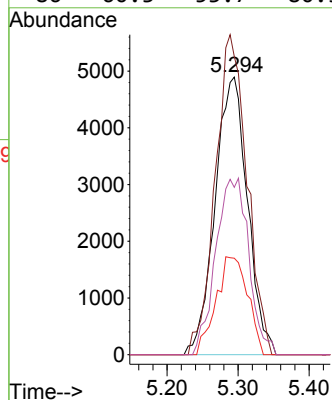
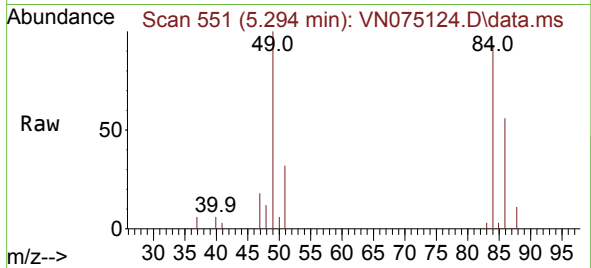




#20  
Methylene Chloride  
Concen: 13.067 ug/l  
RT: 5.294 min Scan# 51  
Delta R.T. 0.011 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

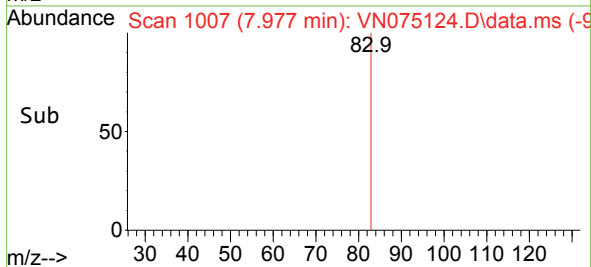
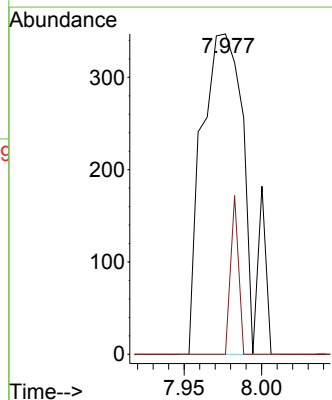
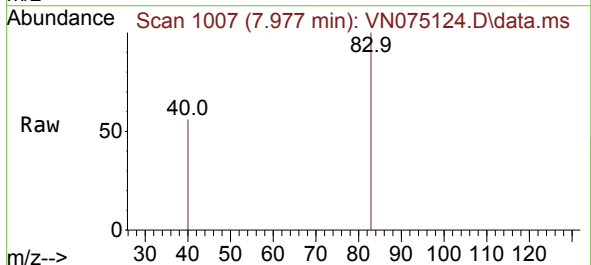
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-1-103122

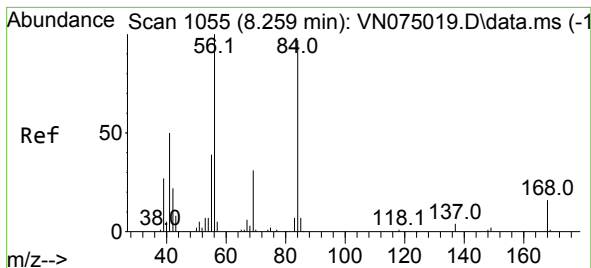
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 15541 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 107.4    | 94.9 142.3  |
| 51 34.8     | 26.8 40.2   |
| 86 60.3     | 53.7 80.5   |



#30  
Chloroform  
Concen: 0.313 ug/l  
RT: 7.977 min Scan# 1007  
Delta R.T. 0.006 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 686   |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 0.0      | 51.4 77.0#  |





#31

Cyclohexane

Concen: 1.311 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075124.D

Acq: 02 Nov 2022 18:04

Instrument :

MSVOA\_N

ClientSampleId :

S-1-103122

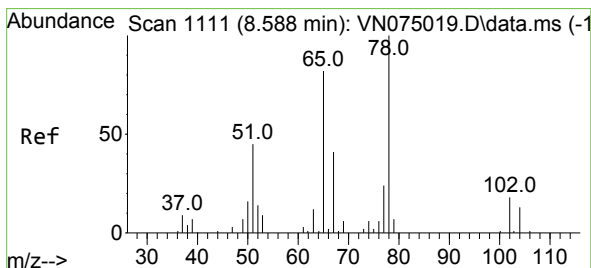
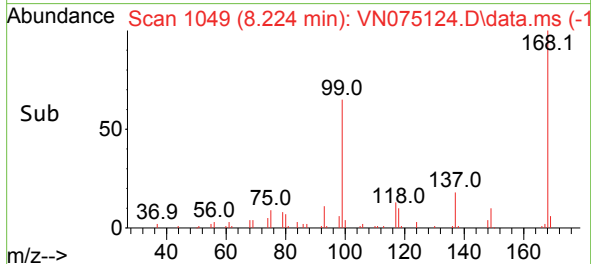
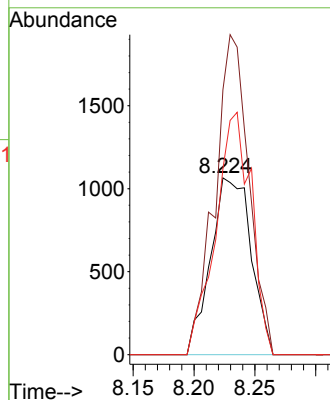
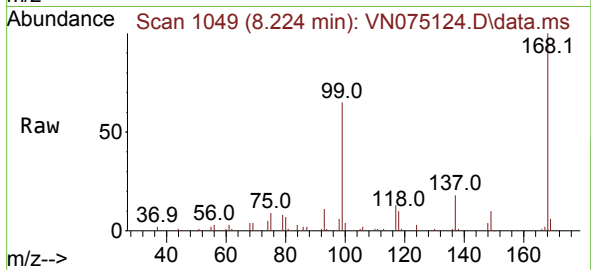
Tgt Ion: 56 Resp: 2456

Ion Ratio Lower Upper

56 100

69 149.8 25.2 37.8#

84 105.1 77.8 116.8



#33

1,2-Dichloroethane-d4

Concen: 61.081 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VN075124.D

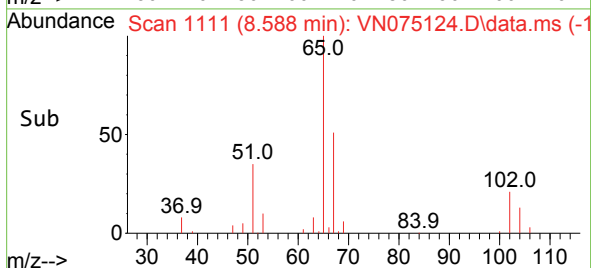
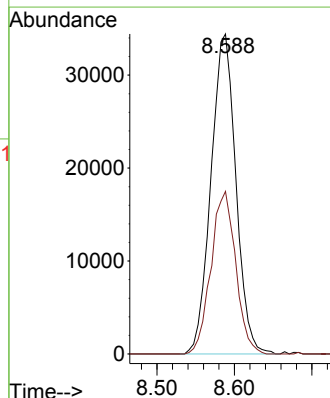
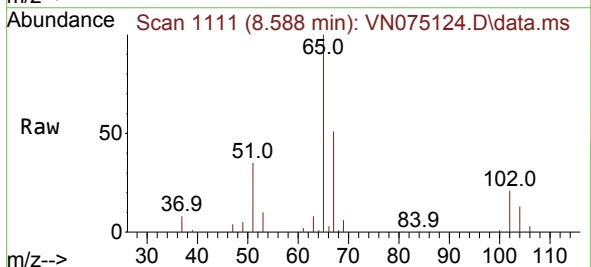
Acq: 02 Nov 2022 18:04

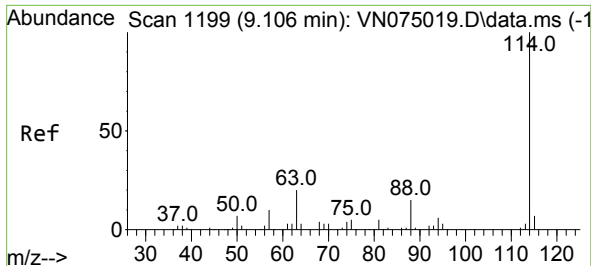
Tgt Ion: 65 Resp: 76945

Ion Ratio Lower Upper

65 100

67 50.4 0.0 102.0

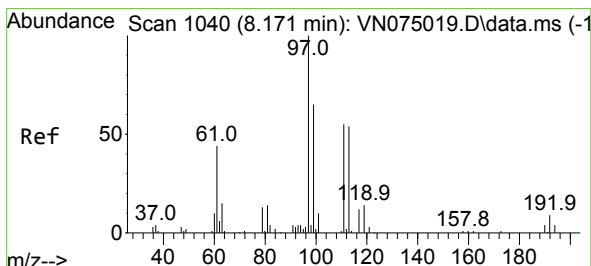
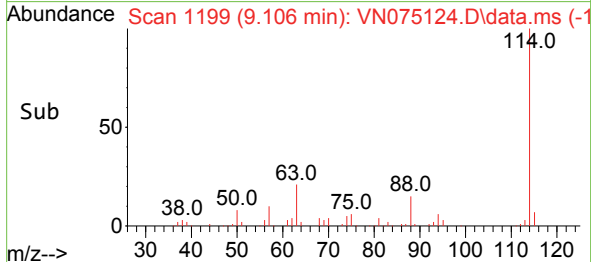
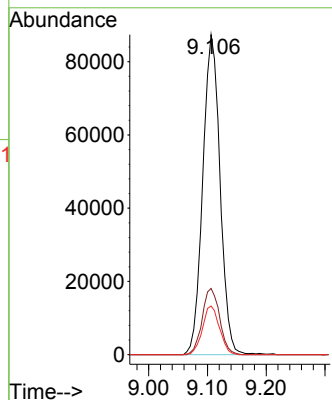
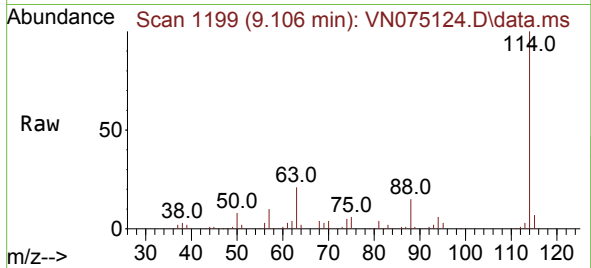




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1199  
Delta R.T. 0.000 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

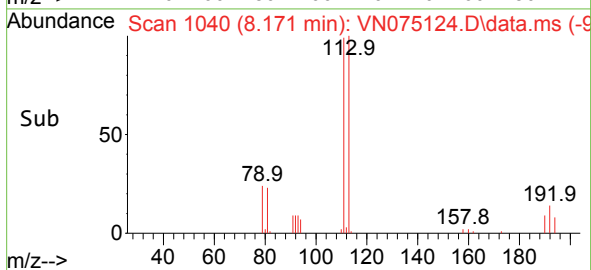
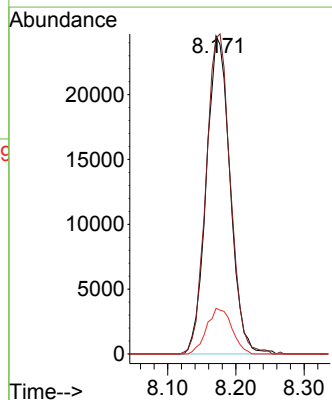
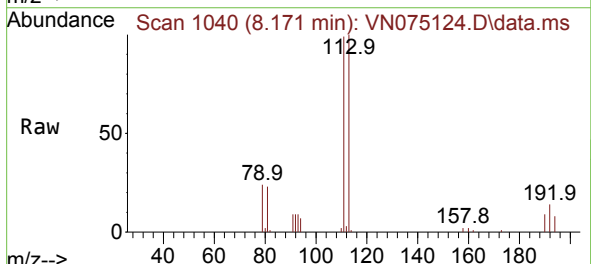
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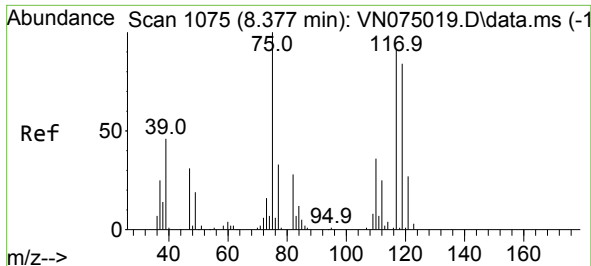
Tgt Ion:114 Resp: 179042  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 39.6  
88 15.2 0.0 29.0



#35  
Dibromofluoromethane  
Concen: 56.456 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

Tgt Ion:113 Resp: 59339  
Ion Ratio Lower Upper  
113 100  
111 102.9 80.5 120.7  
192 15.2 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.101 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.142 min

Lab File: VN075124.D

Acq: 02 Nov 2022 18:04

Instrument :

MSVOA\_N

ClientSampleId :

S-1-103122

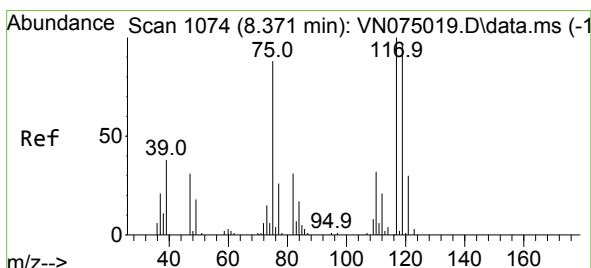
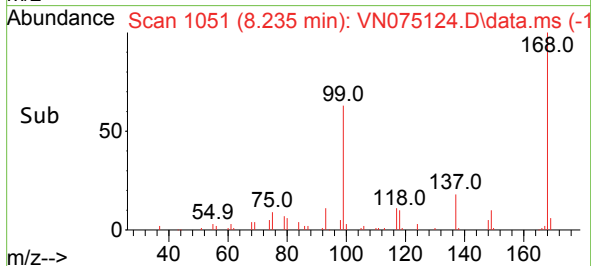
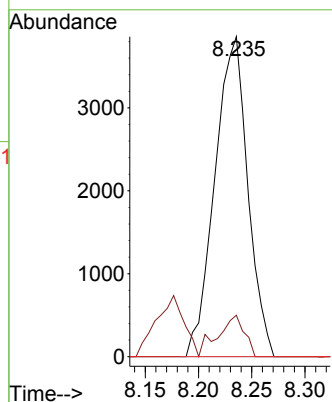
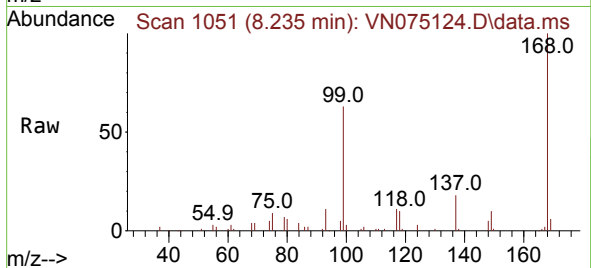
Tgt Ion: 75 Resp: 8301

Ion Ratio Lower Upper

75 100

110 10.4 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.010 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075124.D

Acq: 02 Nov 2022 18:04

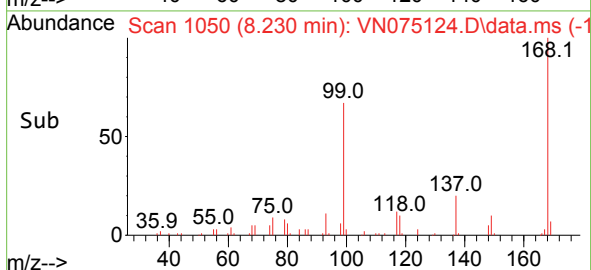
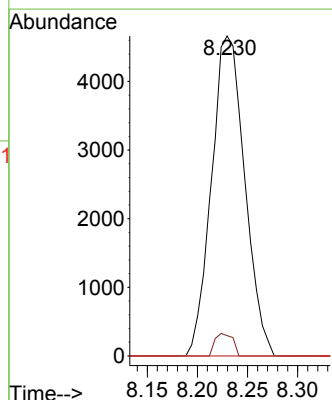
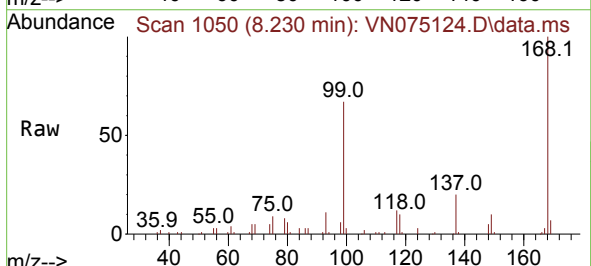
Tgt Ion: 117 Resp: 10757

Ion Ratio Lower Upper

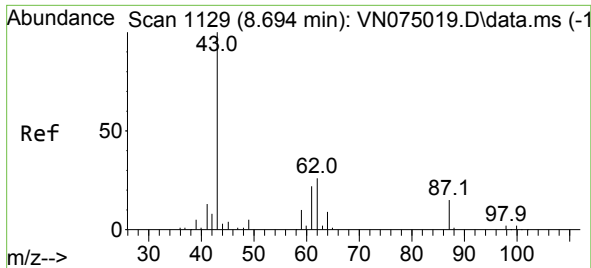
117 100

119 6.3 76.7 115.1#

121 0.0 23.9 35.9#



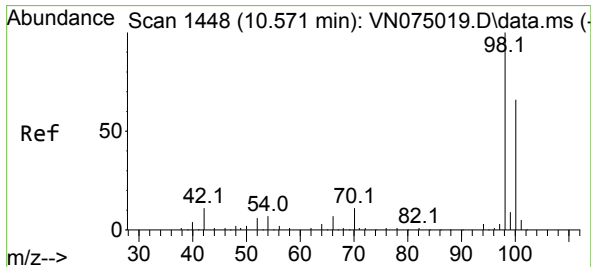
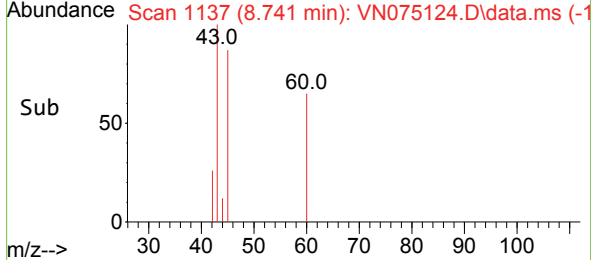
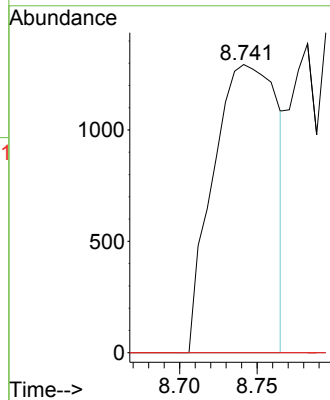
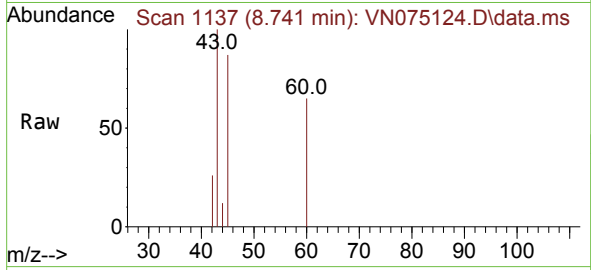




#43  
Isopropyl Acetate  
Concen: 1.340 ug/l  
RT: 8.741 min Scan# 1129  
Delta R.T. 0.047 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

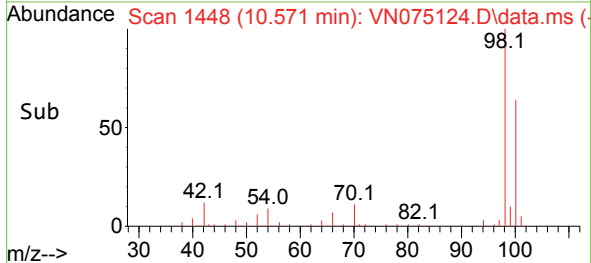
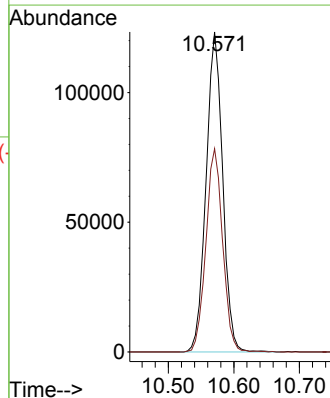
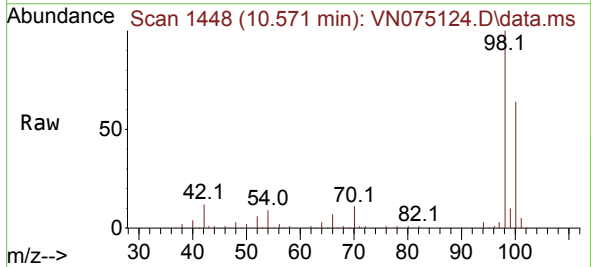
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-1-103122

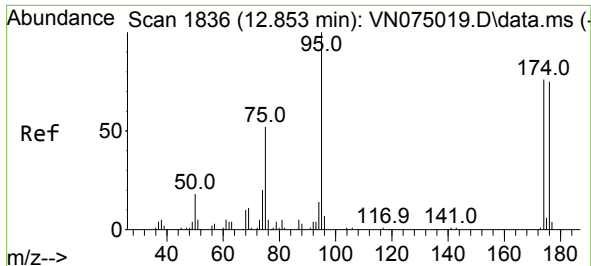
Tgt Ion: 43 Resp: 3708  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.4 33.6#  
87 0.0 12.5 18.7#



#50  
Toluene-d8  
Concen: 53.178 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

Tgt Ion: 98 Resp: 216854  
Ion Ratio Lower Upper  
98 100  
100 64.2 53.0 79.6

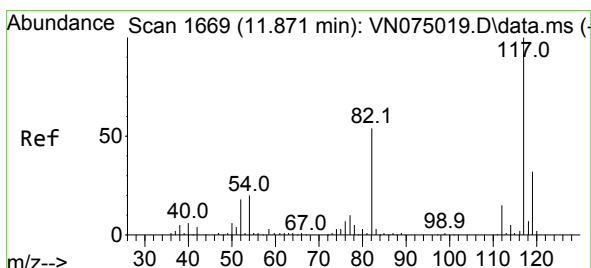
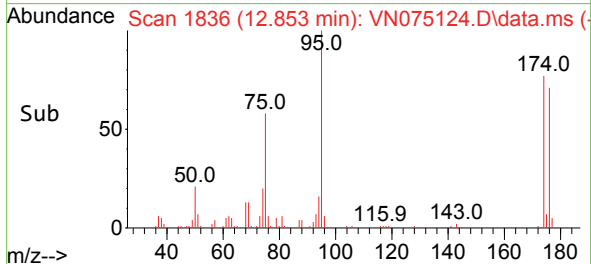
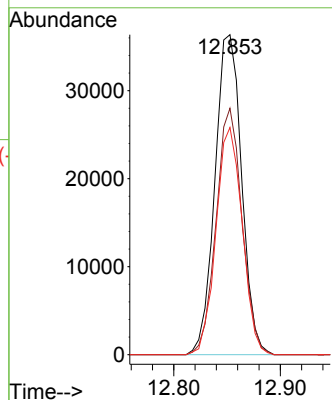
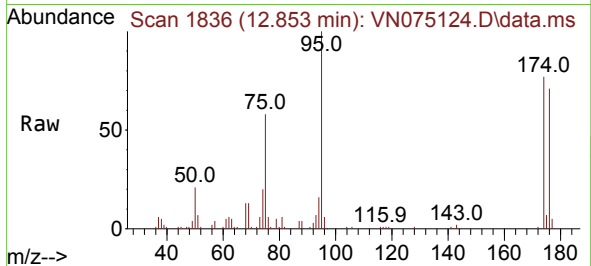




#62  
4-Bromofluorobenzene  
Concen: 44.192 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

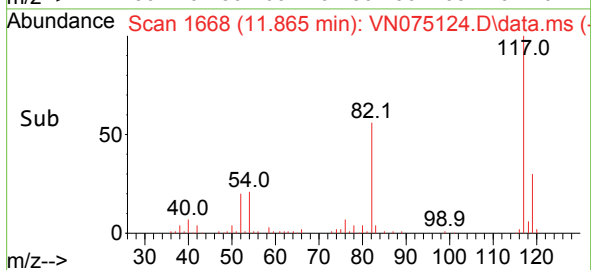
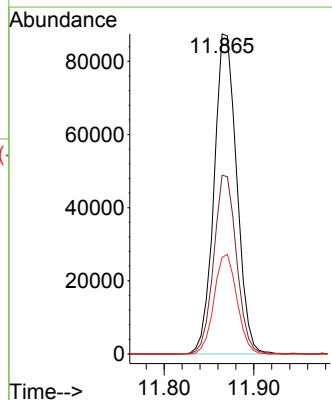
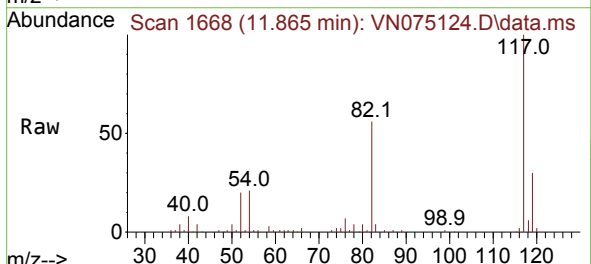
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-1-103122

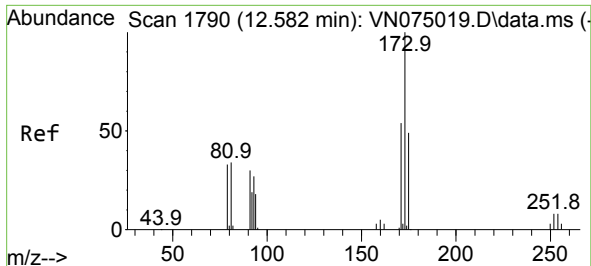
Tgt Ion: 95 Resp: 63304  
Ion Ratio Lower Upper  
95 100  
174 74.8 0.0 147.4  
176 69.8 0.0 142.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1668  
Delta R.T. -0.006 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

Tgt Ion: 117 Resp: 153371  
Ion Ratio Lower Upper  
117 100  
82 55.9 43.1 64.7  
119 30.2 25.5 38.3

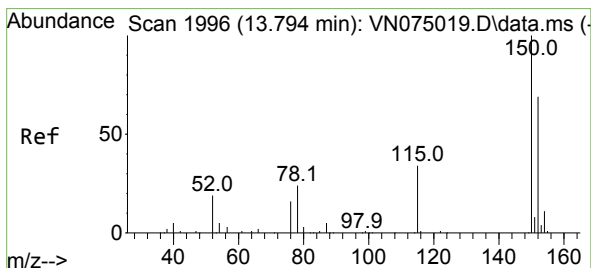
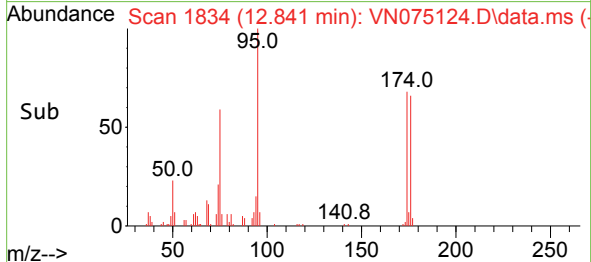
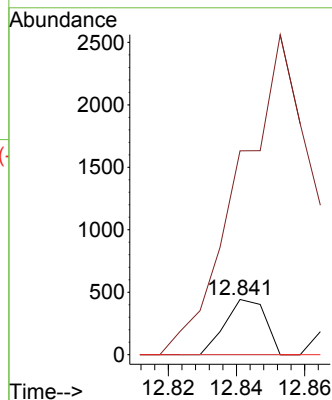
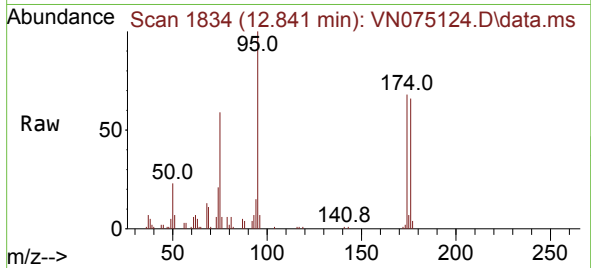




#71  
Bromoform  
Concen: 0.399 ug/l  
RT: 12.841 min Scan# 11  
Delta R.T. 0.259 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

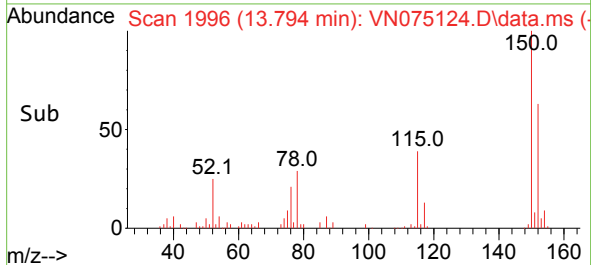
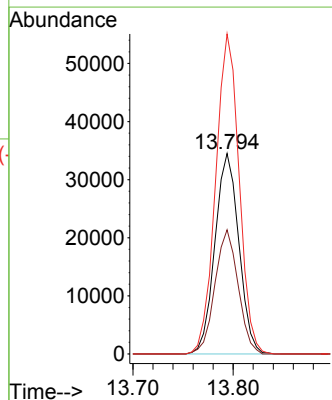
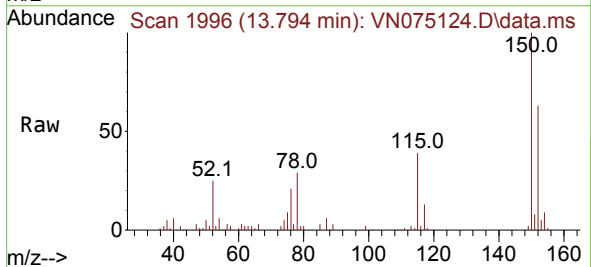
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-1-103122

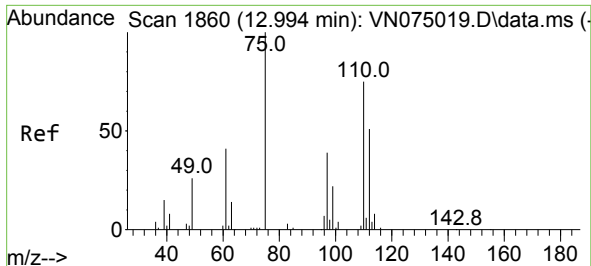
Tgt Ion:173 Resp: 363  
Ion Ratio Lower Upper  
173 100  
175 881.8 24.6 74.0#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

Tgt Ion:152 Resp: 57095  
Ion Ratio Lower Upper  
152 100  
115 60.2 30.2 90.6  
150 156.7 0.0 348.4

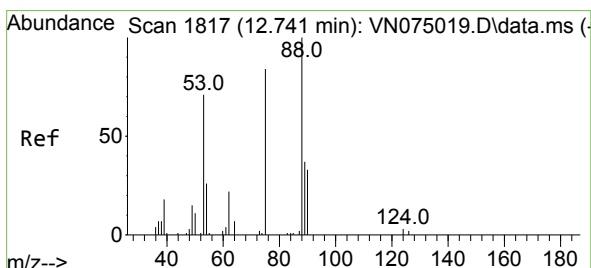
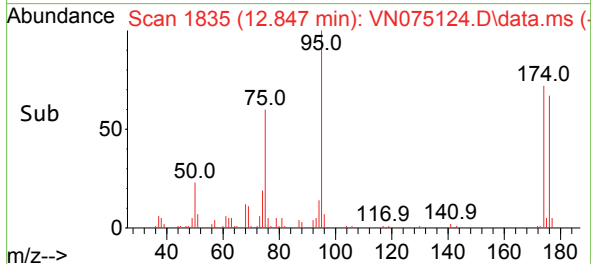
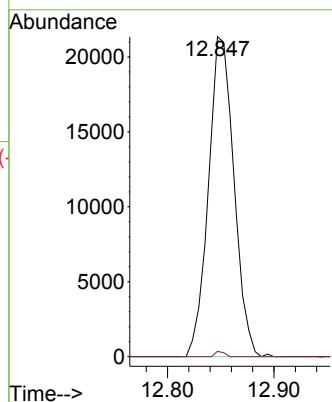
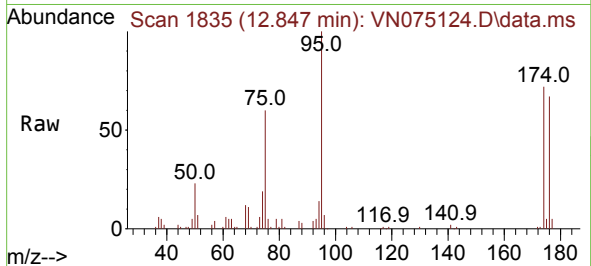




#76  
1,2,3-Trichloropropane  
Concen: 29.341 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. -0.147 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

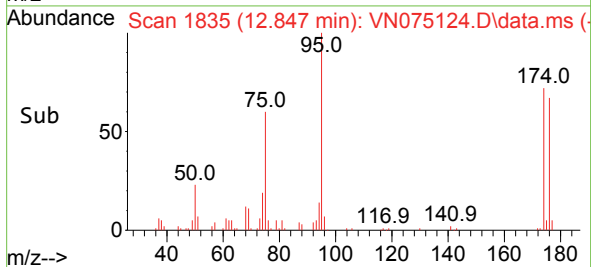
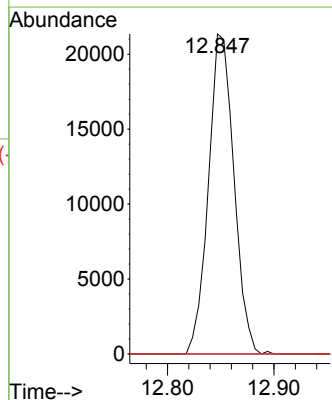
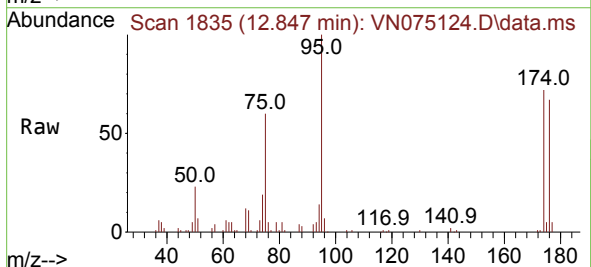
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-1-103122

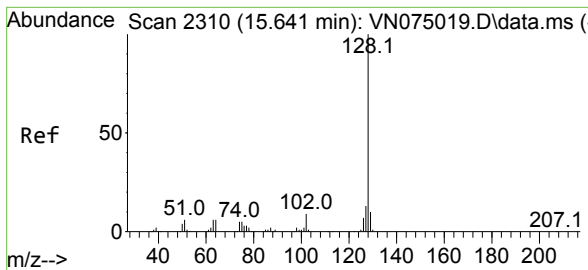
Tgt Ion: 75 Resp: 35570  
Ion Ratio Lower Upper  
75 100  
77 0.6 75.6 226.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.319 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. 0.106 min  
Lab File: VN075124.D  
Acq: 02 Nov 2022 18:04

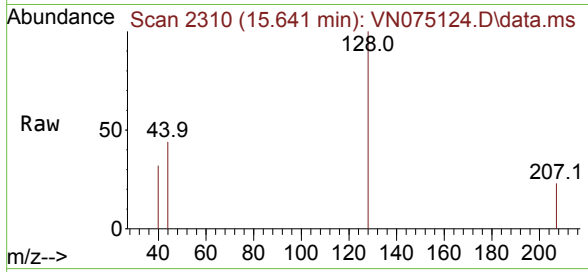
Tgt Ion: 75 Resp: 35570  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.5 117.7#  
89 0.0 37.7 56.5#





#95  
 Naphthalene  
 Concen: 0.388 ug/l  
 RT: 15.641 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN075124.D  
 Acq: 02 Nov 2022 18:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S-1-103122



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1262  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.4  | 15.6# |
| 129      | 4.5   | 8.6   | 12.8# |

