

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032822\  
 Data File : VN071618.D  
 Acq On : 28 Mar 2022 21:33  
 Operator : JC\MD  
 Sample : N2130-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Mar 29 09:51:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 29 09:32:37 2022  
 Response via : Initial Calibration

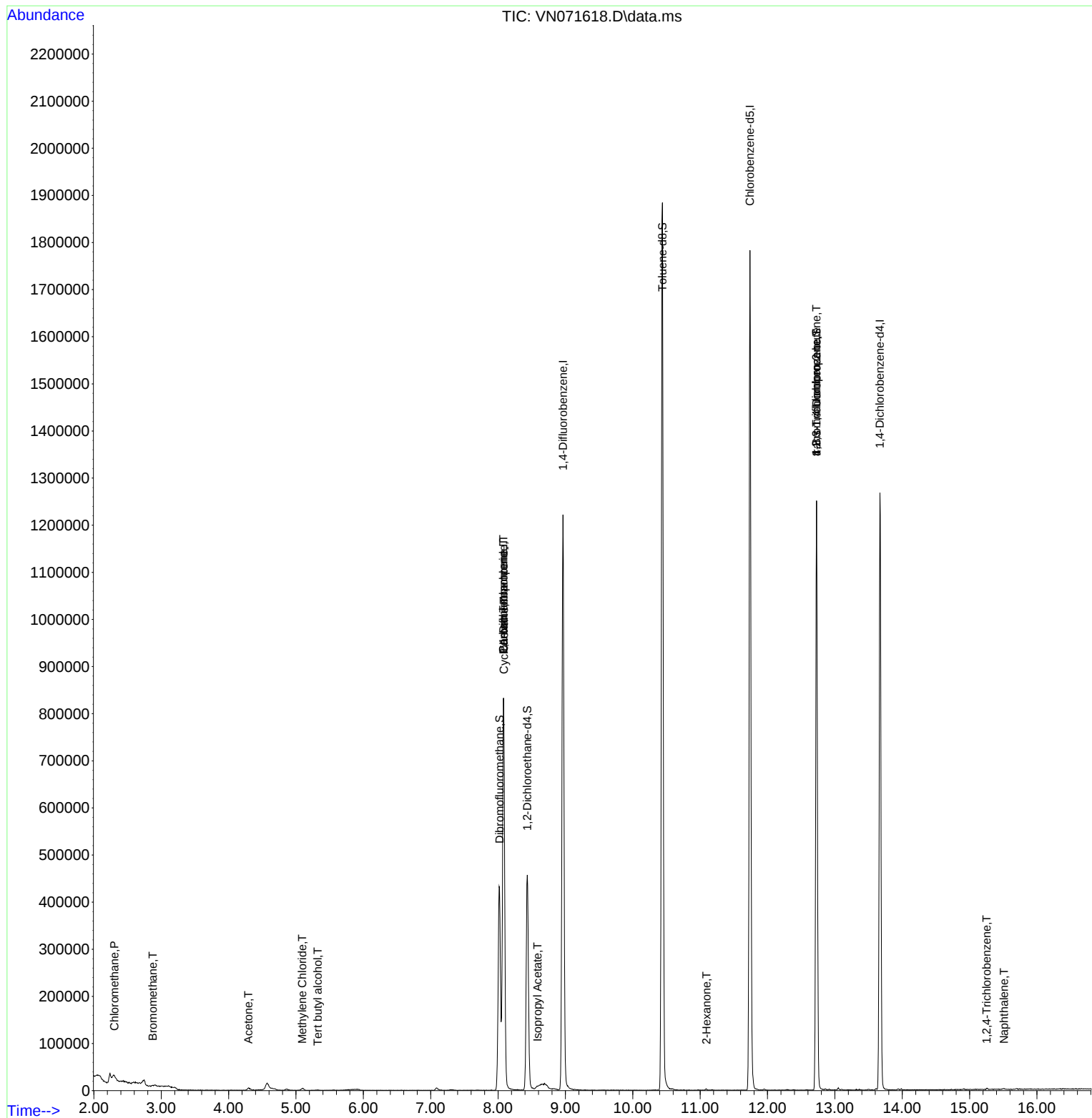
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.080  | 168   | 680912   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963  | 114   | 1135879  | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739 | 117   | 1091446  | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.668 | 152   | 381530   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.433  | 65    | 390135   | 47.786    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 95.580%  |
| 35) Dibromofluoromethane      | 8.022  | 113   | 324316   | 46.490    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 92.980%  |
| 50) Toluene-d8                | 10.439 | 98    | 1382575  | 48.047    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 96.100%  |
| 62) 4-Bromofluorobenzene      | 12.727 | 95    | 442189   | 47.106    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 94.220%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.304  | 50    | 2429     | 0.309     | ug/l # | 88       |
| 5) Bromomethane               | 2.875  | 94    | 2430     | 0.474     | ug/l   | 98       |
| 6) Chloroethane               | 2.957  | 64    | 782      | Below Cal | #      | 42       |
| 11) Tert butyl alcohol        | 5.322  | 59    | 690      | 0.479     | ug/l # | 72       |
| 16) Acetone                   | 4.292  | 43    | 6842     | 2.033     | ug/l   | 95       |
| 18) Methyl Acetate            | 4.857  | 43    | 4463     | Below Cal |        | 93       |
| 20) Methylene Chloride        | 5.092  | 84    | 3205     | 0.431     | ug/l   | 96       |
| 31) Cyclohexane               | 8.086  | 56    | 12130    | 1.064     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.080  | 75    | 48399    | 4.826     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.080  | 117   | 60392    | 6.077     | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.586  | 43    | 6813     | 0.588     | ug/l # | 53       |
| 59) 2-Hexanone                | 11.092 | 43    | 1970     | 0.256     | ug/l   | 92       |
| 76) 1,2,3-Trichloropropane    | 12.727 | 75    | 220100   | 24.026    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727 | 75    | 220100   | 69.349    | ug/l # | 10       |
| 93) 1,2,4-Trichlorobenzene    | 15.251 | 180   | 1242     | 0.212     | ug/l # | 68       |
| 95) Naphthalene               | 15.509 | 128   | 2697     | 4.823     | ug/l # | 83       |
| -----                         |        |       |          |           |        |          |

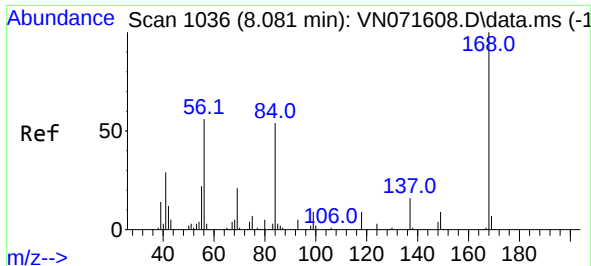
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032822\  
Data File : VN071618.D  
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Sample : N2130-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

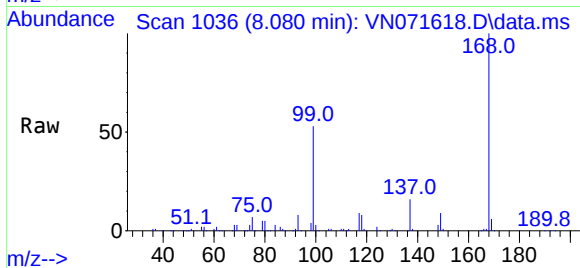
Quant Time: Mar 29 09:51:19 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 29 09:32:37 2022  
Response via : Initial Calibration



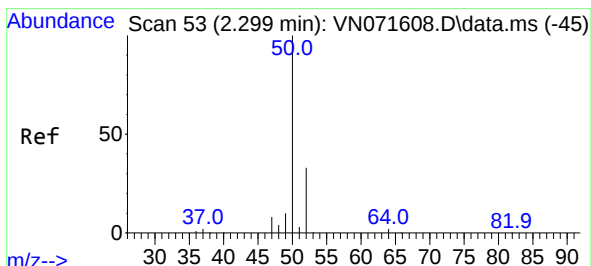
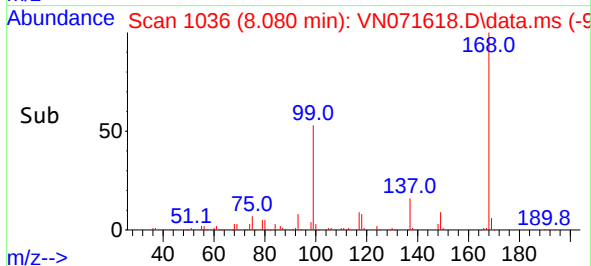
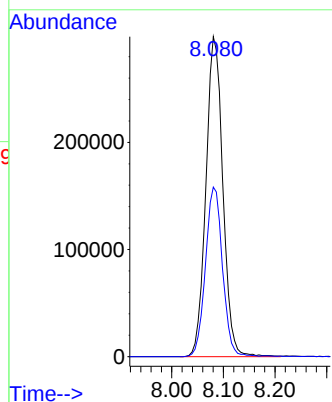


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.080 min Scan# 10  
Delta R.T. -0.001 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Instrument :  
MSVOA\_N  
ClientSampleId :

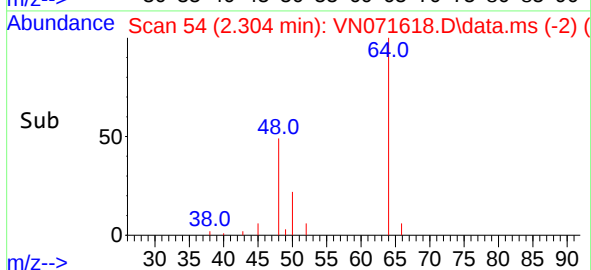
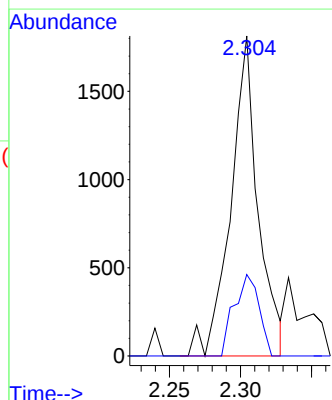
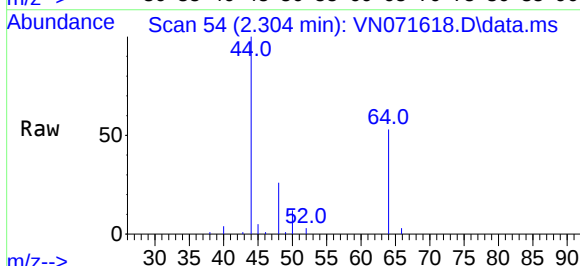


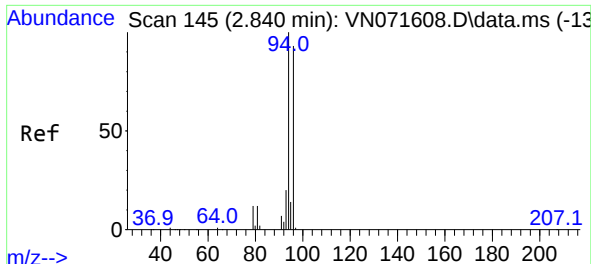
Tgt Ion:168 Resp: 680912  
Ion Ratio Lower Upper  
168 100  
99 53.0 42.3 63.5



#3  
Chloromethane  
Concen: 0.309 ug/l  
RT: 2.304 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Tgt Ion: 50 Resp: 2429  
Ion Ratio Lower Upper  
50 100  
52 25.5 25.7 38.5#

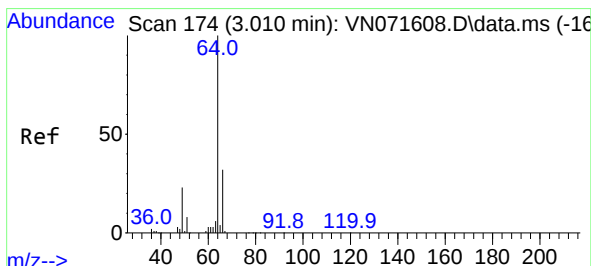
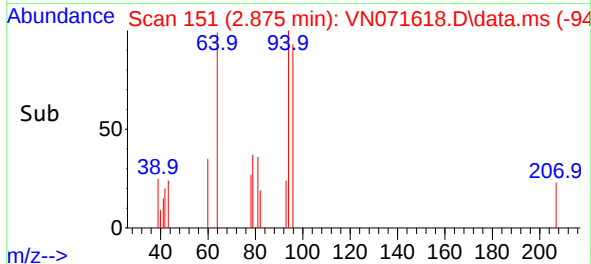
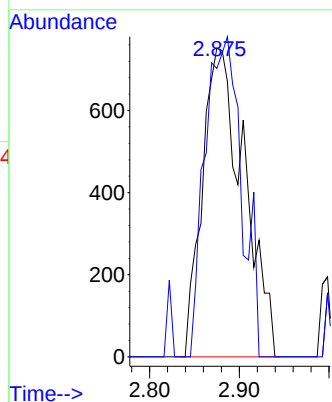
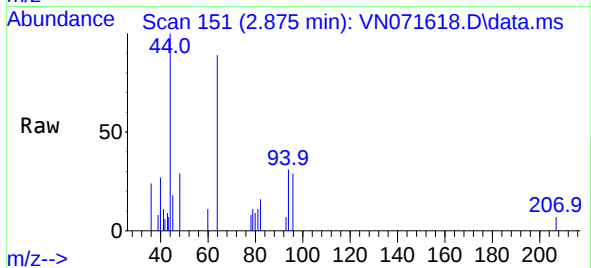




#5  
Bromomethane  
Concen: 0.474 ug/l  
RT: 2.875 min Scan# 11  
Delta R.T. 0.035 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

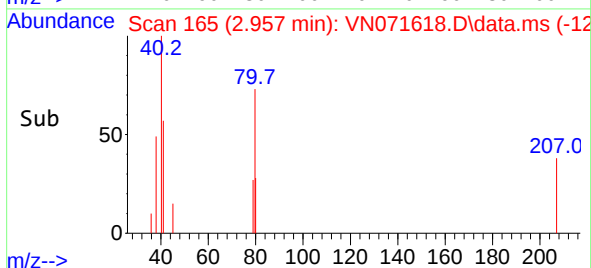
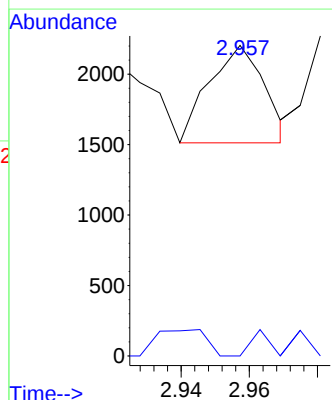
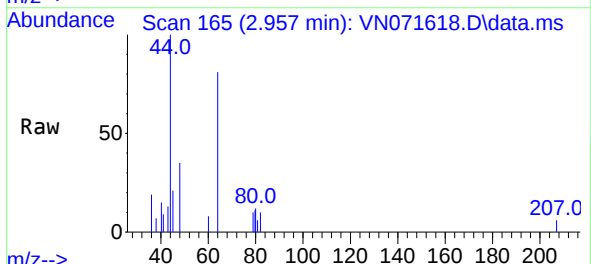
Instrument :  
MSVOA\_N  
ClientSampleId :

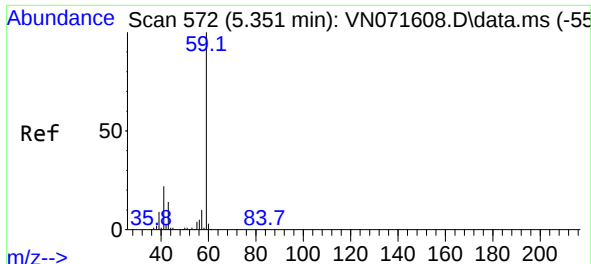
Tgt Ion: 94 Resp: 2430  
Ion Ratio Lower Upper  
94 100  
96 93.5 76.0 114.0



#6  
Chloroethane  
Concen: Below Cal  
RT: 2.957 min Scan# 165  
Delta R.T. -0.053 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Tgt Ion: 64 Resp: 782  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#

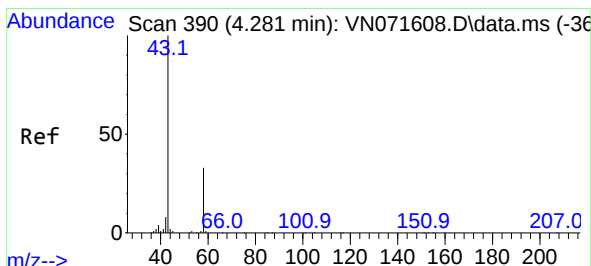
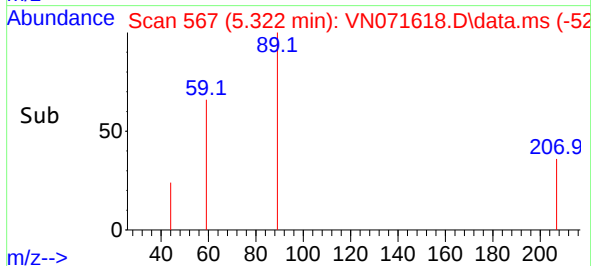
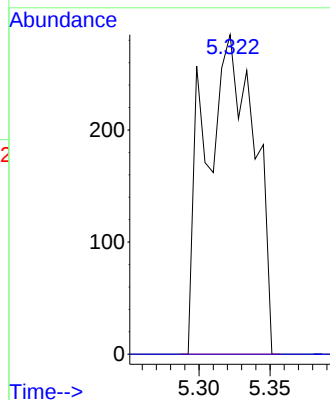
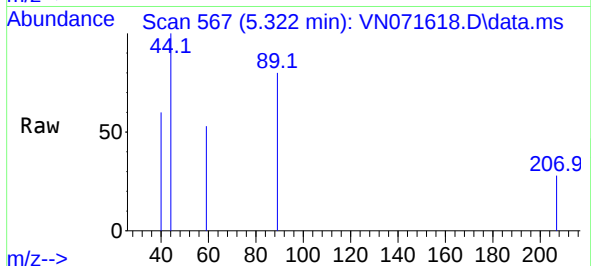




#11  
Tert butyl alcohol  
Concen: 0.479 ug/l  
RT: 5.322 min Scan# 50  
Delta R.T. -0.030 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

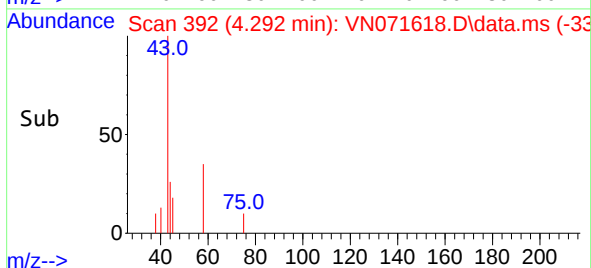
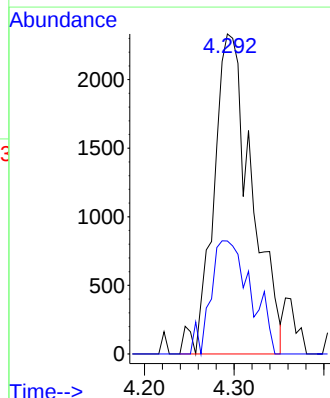
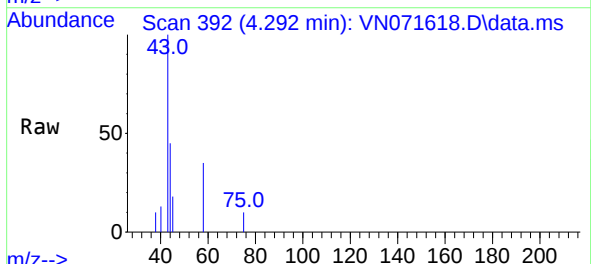
Instrument :  
MSVOA\_N  
ClientSampleId :

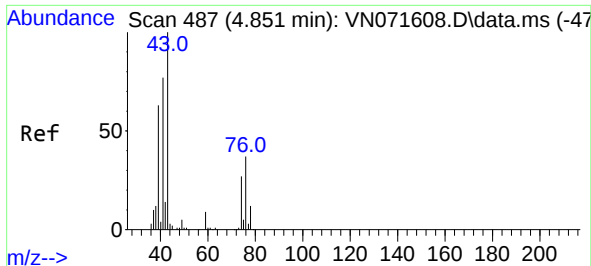
Tgt Ion: 59 Resp: 690  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



#16  
Acetone  
Concen: 2.033 ug/l  
RT: 4.292 min Scan# 392  
Delta R.T. 0.012 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Tgt Ion: 43 Resp: 6842  
Ion Ratio Lower Upper  
43 100  
58 35.3 26.0 39.0

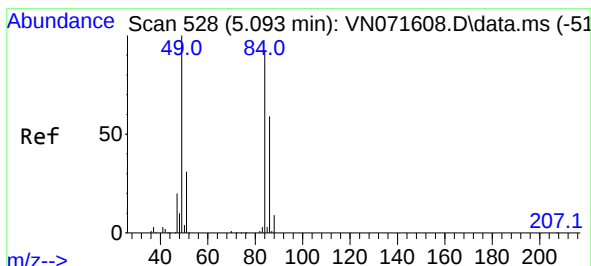
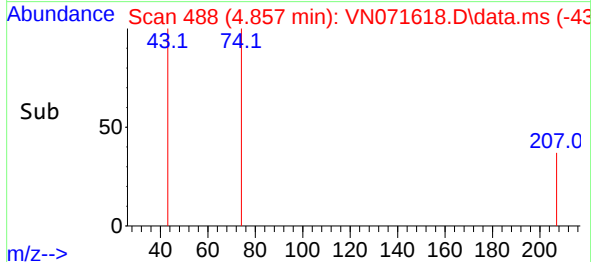
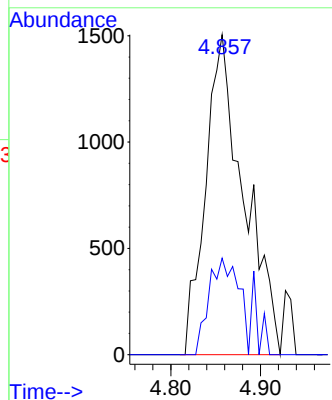
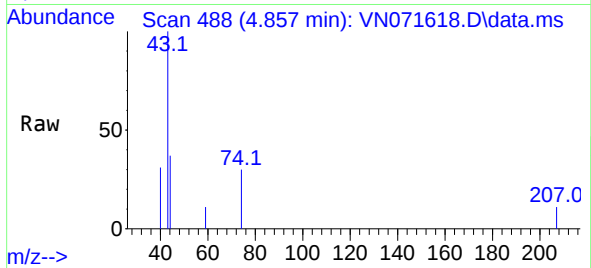




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.857 min Scan# 441  
Delta R.T. 0.006 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

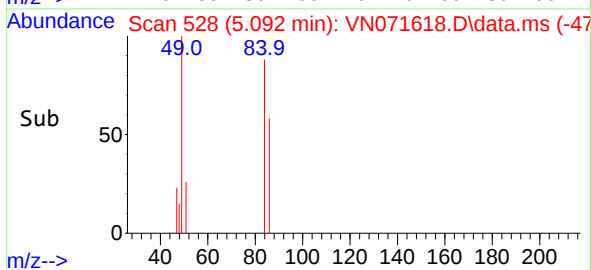
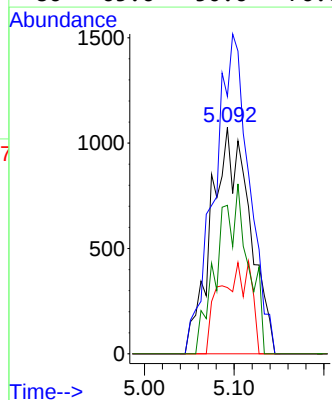
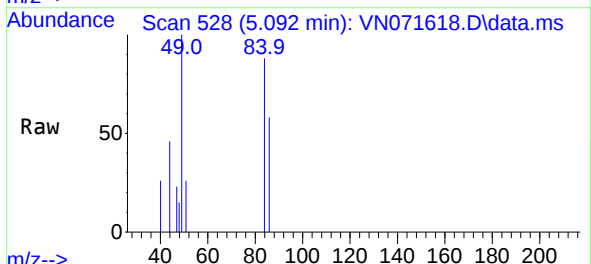
Instrument :  
MSVOA\_N  
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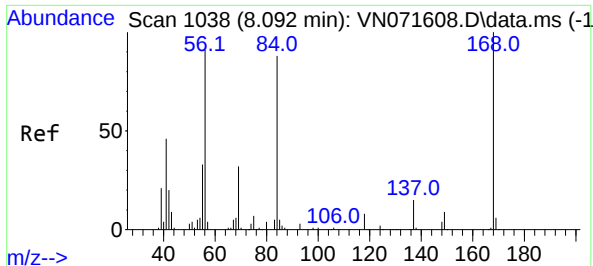
Tgt Ion: 43 Resp: 4463  
Ion Ratio Lower Upper  
43 100  
74 23.2 21.6 32.4



#20  
Methylene Chloride  
Concen: 0.431 ug/l  
RT: 5.092 min Scan# 528  
Delta R.T. -0.001 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Tgt Ion: 84 Resp: 3205  
Ion Ratio Lower Upper  
84 100  
49 113.7 88.3 132.5  
51 29.3 28.2 42.2  
86 65.6 50.6 76.0





#31

Cyclohexane

Concen: 1.064 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

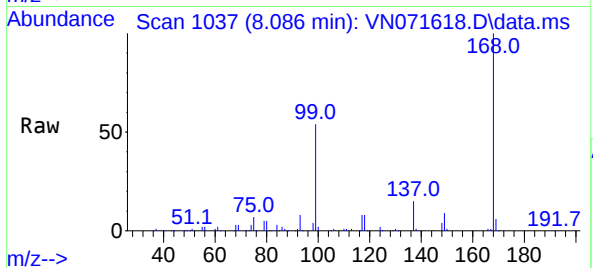
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Acq: 28 Mar 2022 21:33

Instrument :

MSVOA\_N

ClientSampleId :



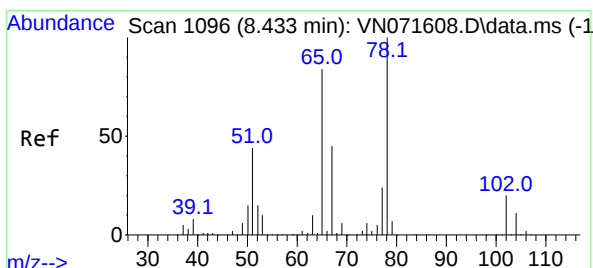
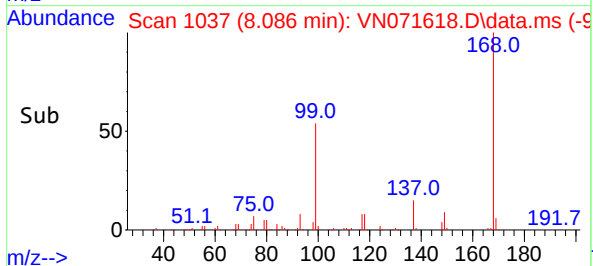
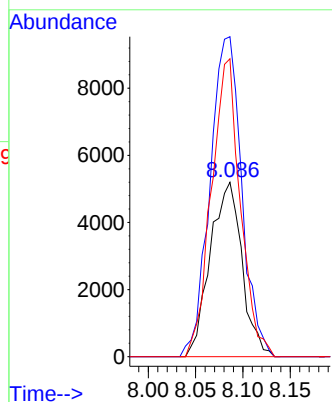
Tgt Ion: 56 Resp: 12130

Ion Ratio Lower Upper

56 100

69 183.4 27.8 41.8#

84 170.8 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.786 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071618.D

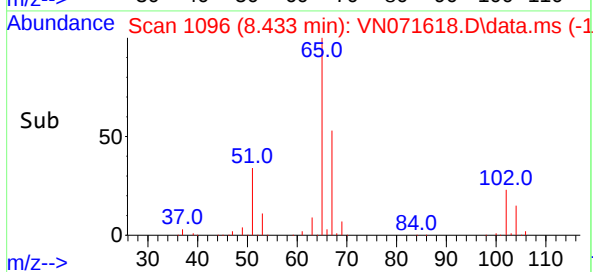
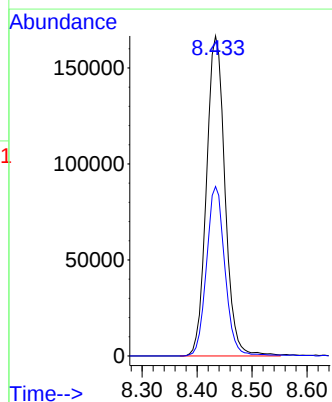
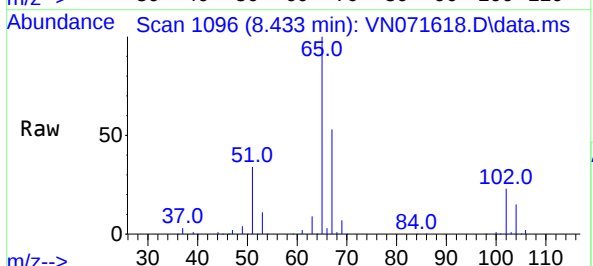
Acq: 28 Mar 2022 21:33

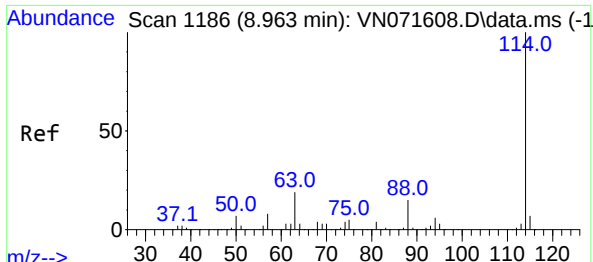
Tgt Ion: 65 Resp: 390135

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.8

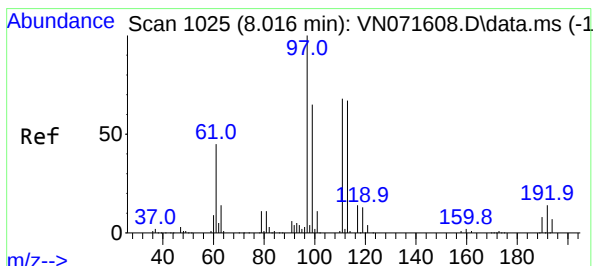
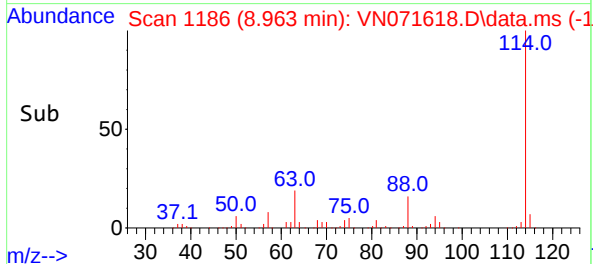
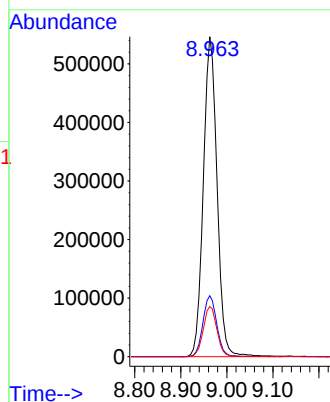
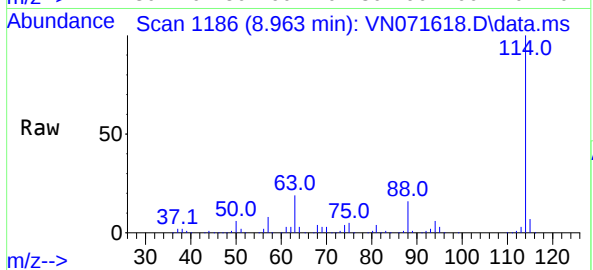




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

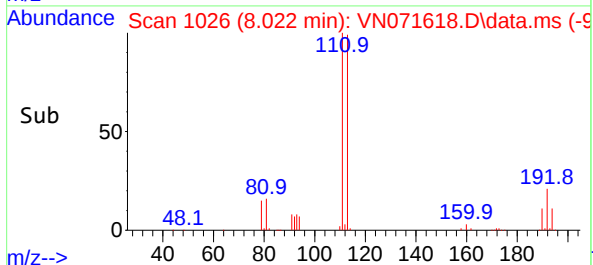
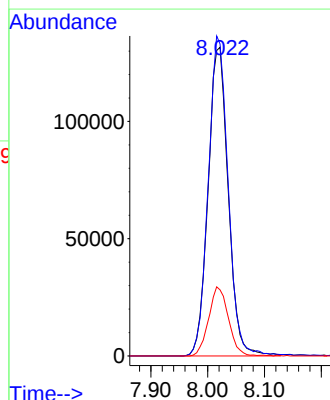
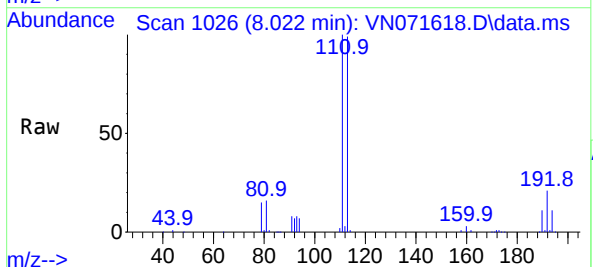
Instrument :  
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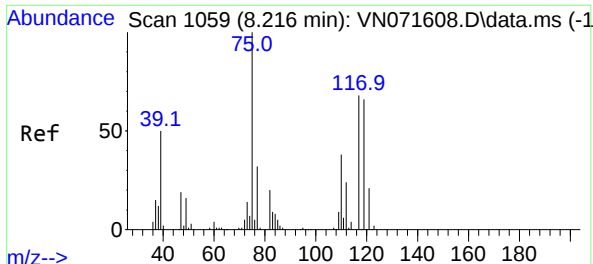
Tgt Ion:114 Resp: 1135879  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 40.0  
88 15.6 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 46.490 ug/l  
RT: 8.022 min Scan# 1026  
Delta R.T. 0.006 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Tgt Ion:113 Resp: 324316  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.4 122.0  
192 21.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.826 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071618.D

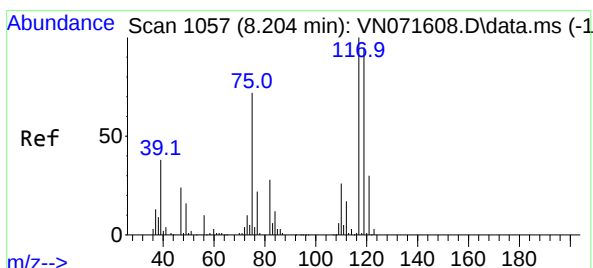
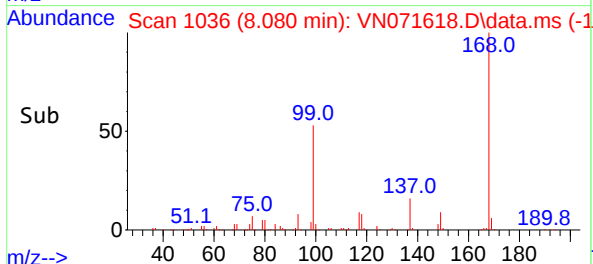
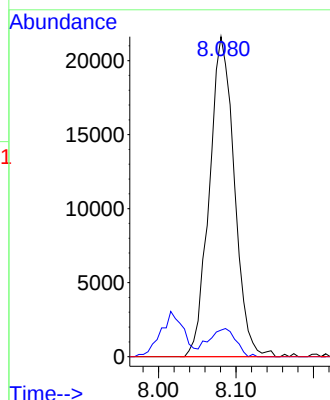
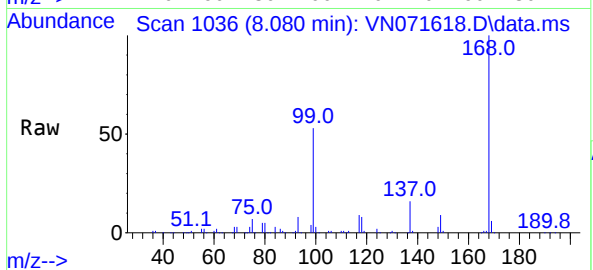
Acq: 28 Mar 2022 21:33

Instrument :

MSVOA\_N

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 48399    |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 9.4 18.3 54.8# |
| 77          | 0.0 25.1 37.7# |



#38

Carbon Tetrachloride

Concen: 6.077 ug/l

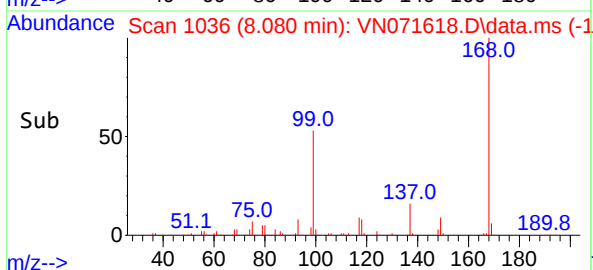
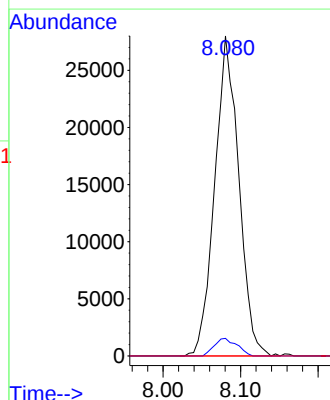
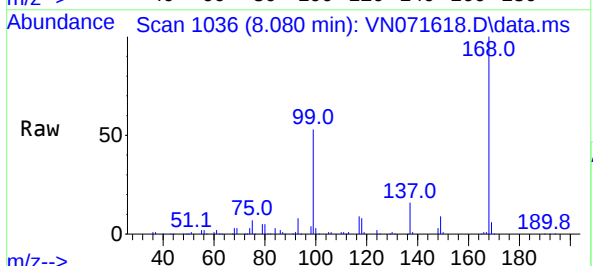
RT: 8.080 min Scan# 1036

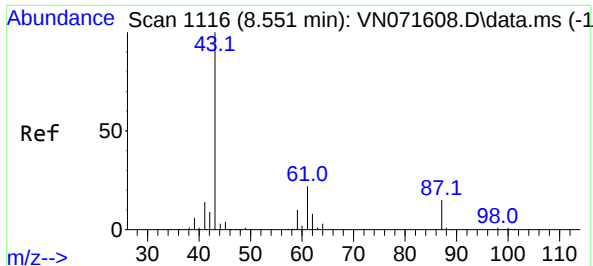
Delta R.T. -0.124 min

Lab File: VN071618.D

Acq: 28 Mar 2022 21:33

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 60392     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 5.5 75.8 113.8# |
| 121          | 0.0 24.6 37.0#  |

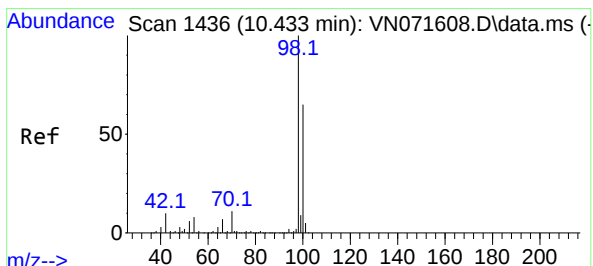
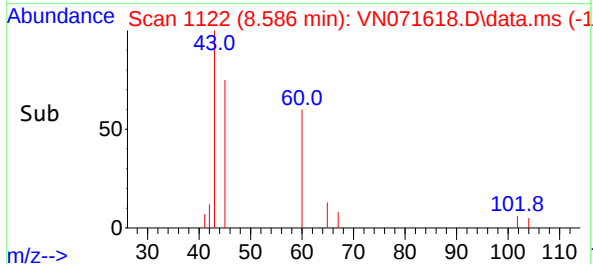
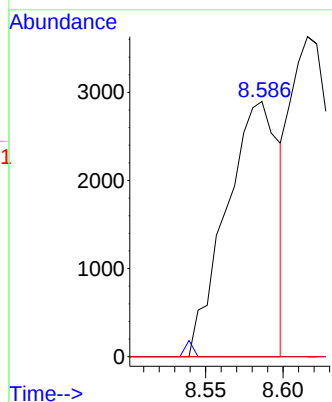
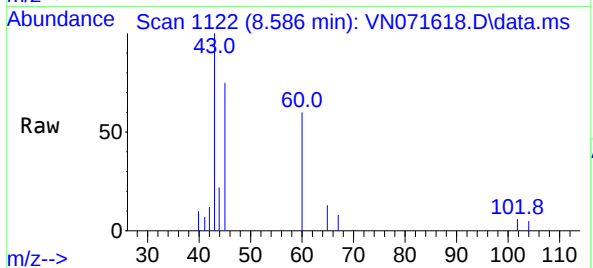




#43  
Isopropyl Acetate  
Concen: 0.588 ug/l  
RT: 8.586 min Scan# 1116  
Delta R.T. 0.035 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

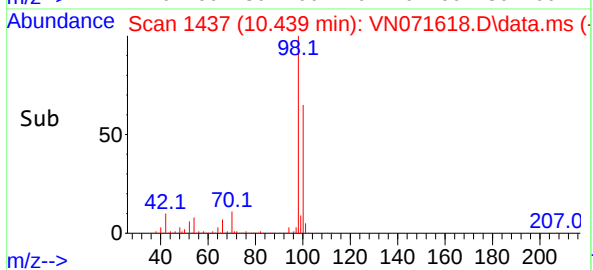
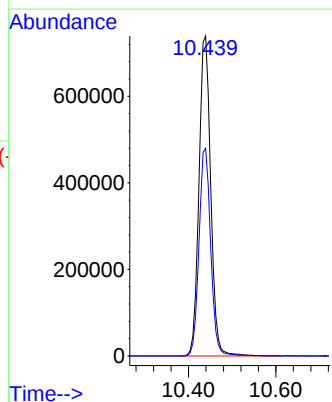
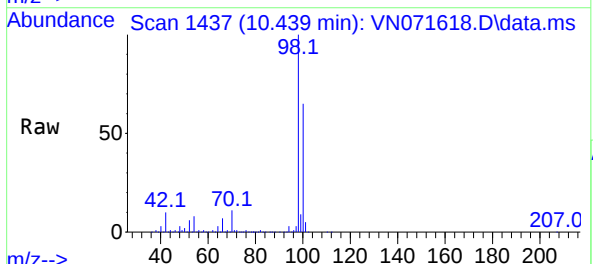
Instrument :  
MSVOA\_N  
ClientSampleId :

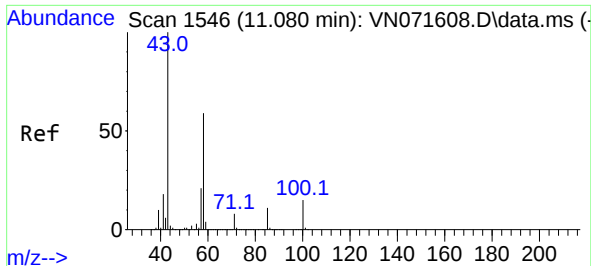
Tgt Ion: 43 Resp: 6813  
Ion Ratio Lower Upper  
43 100  
61 0.0 21.9 32.9#  
87 0.0 12.0 18.0#



#50  
Toluene-d8  
Concen: 48.047 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.006 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Tgt Ion: 98 Resp: 1382575  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 78.8

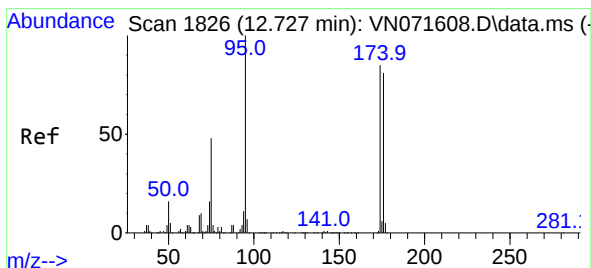
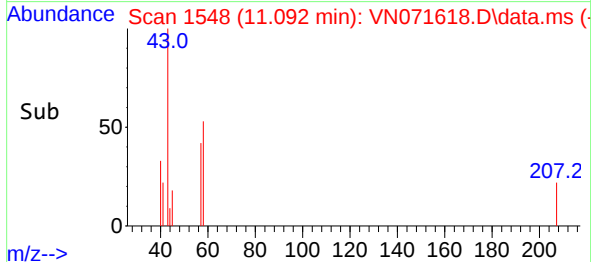
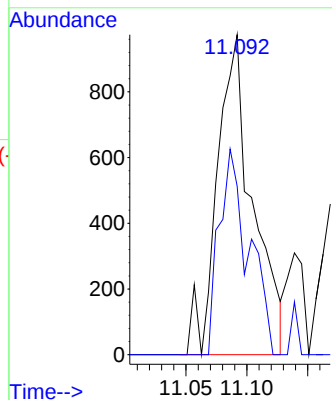
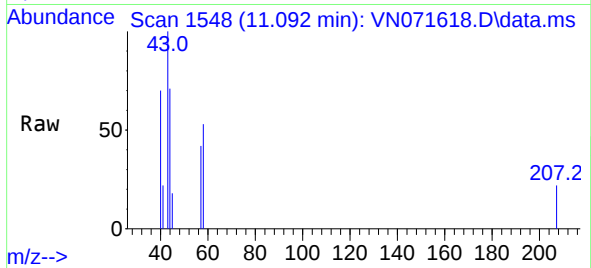




#59  
2-Hexanone  
Concen: 0.256 ug/l  
RT: 11.092 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

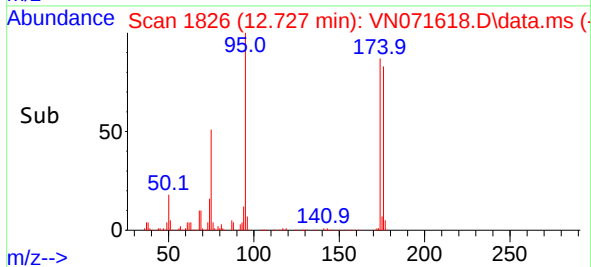
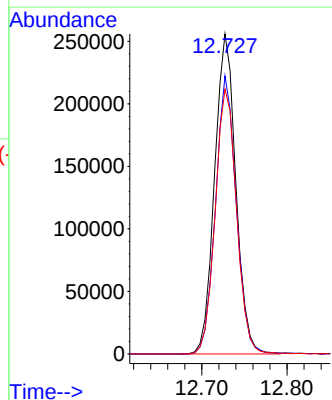
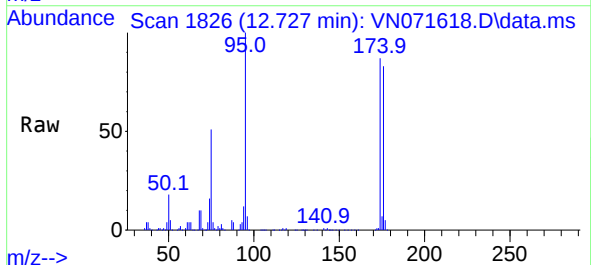
Instrument :  
MSVOA\_N  
ClientSampleId :

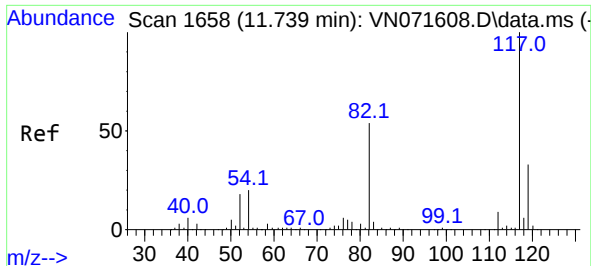
Tgt Ion: 43 Resp: 1970  
Ion Ratio Lower Upper  
43 100  
58 53.7 29.7 89.1



#62  
4-Bromofluorobenzene  
Concen: 47.106 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

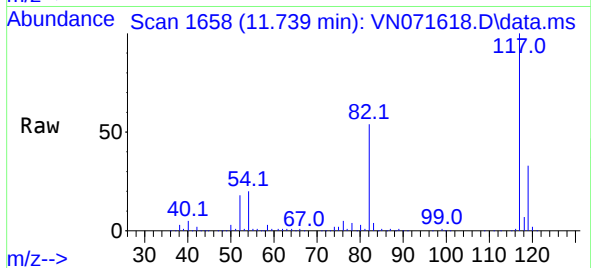
Tgt Ion: 95 Resp: 442189  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 167.6  
176 83.5 0.0 163.4



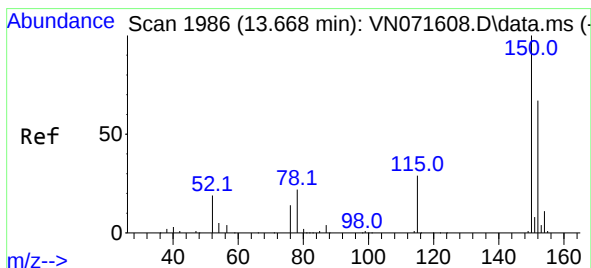
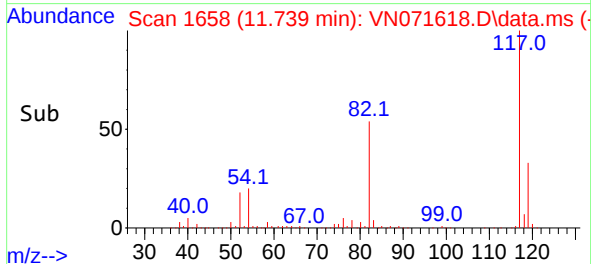
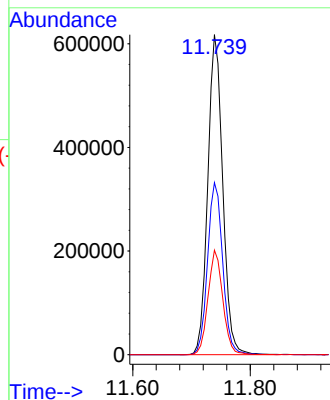


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Instrument :  
MSVOA\_N  
ClientSampleId :

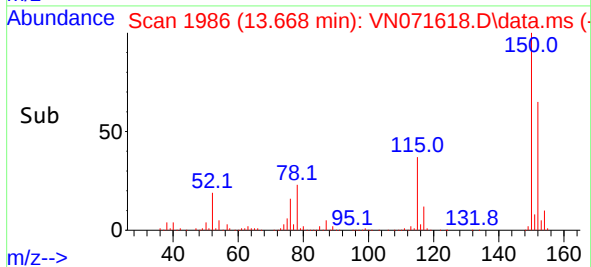
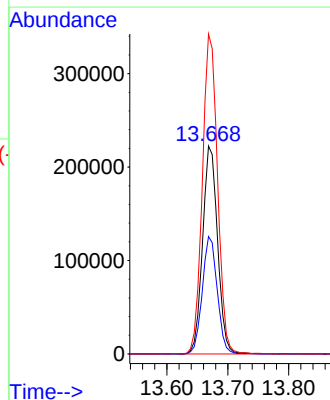
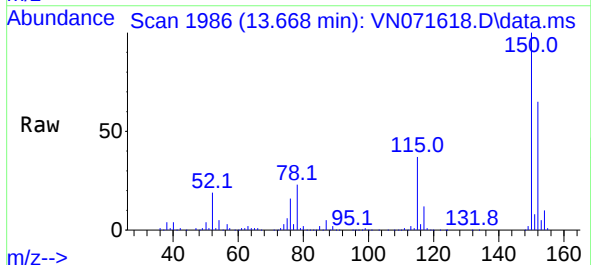


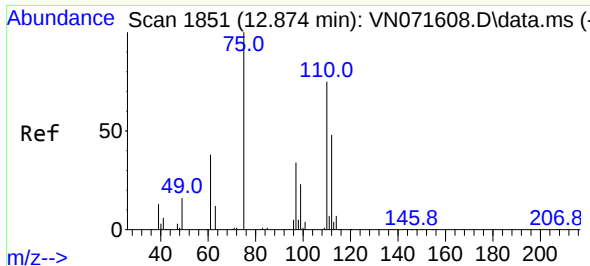
Tgt Ion:117 Resp: 1091446  
Ion Ratio Lower Upper  
117 100  
82 53.8 44.2 66.2  
119 32.7 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. -0.000 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Tgt Ion:152 Resp: 381530  
Ion Ratio Lower Upper  
152 100  
115 56.2 28.9 86.7  
150 156.0 0.0 356.2

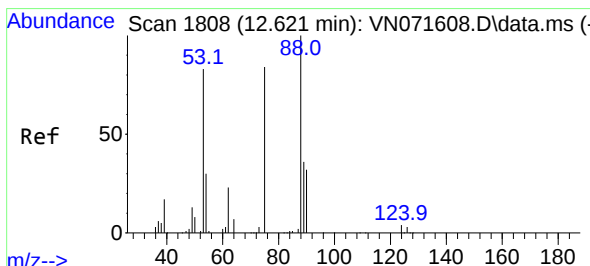
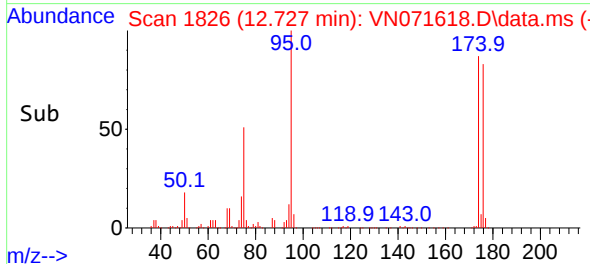
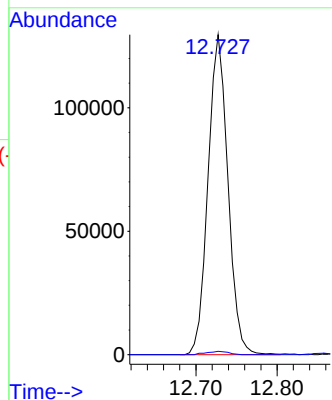
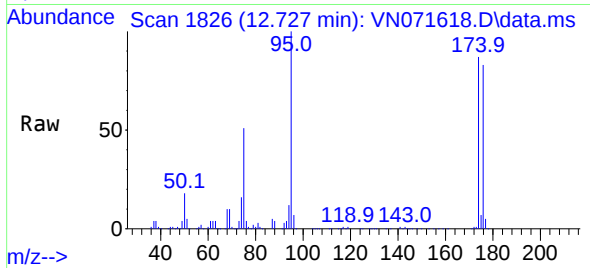




#76  
1,2,3-Trichloropropane  
Concen: 24.026 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.147 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

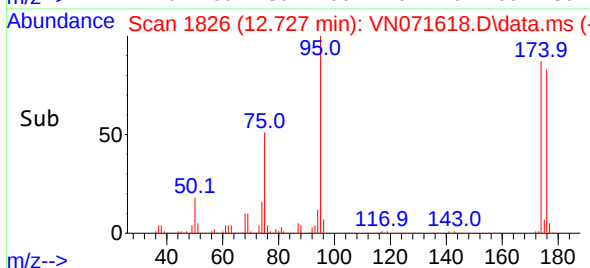
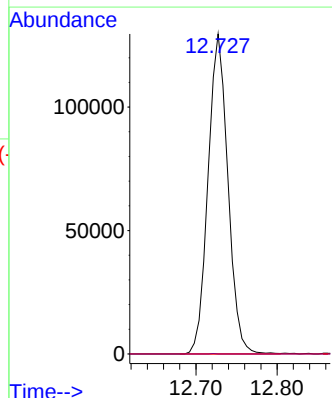
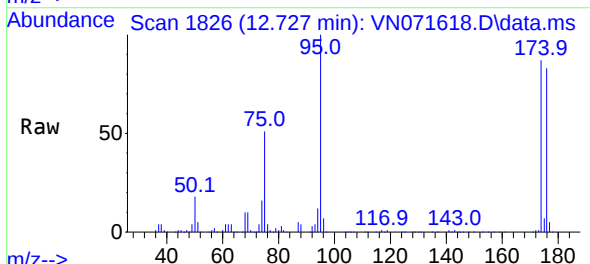
Instrument :  
MSVOA\_N  
ClientSampleId :

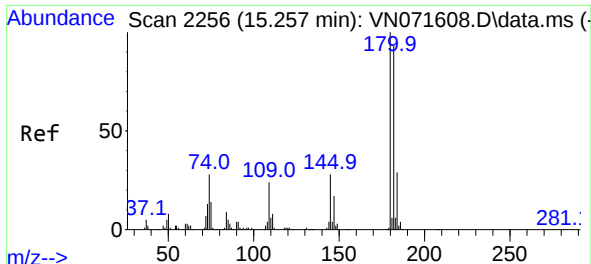
Tgt Ion: 75 Resp: 220100  
Ion Ratio Lower Upper  
75 100  
77 1.2 98.5 295.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.349 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.106 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Tgt Ion: 75 Resp: 220100  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#

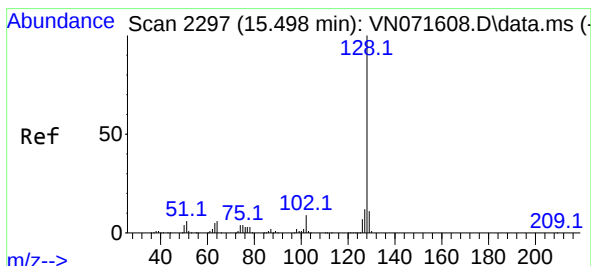
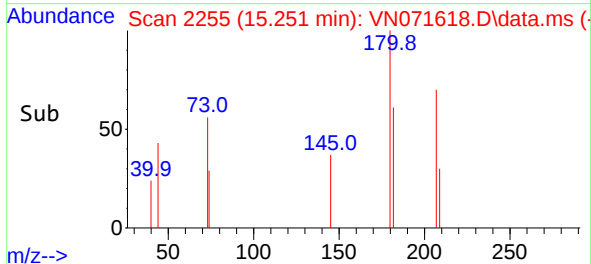
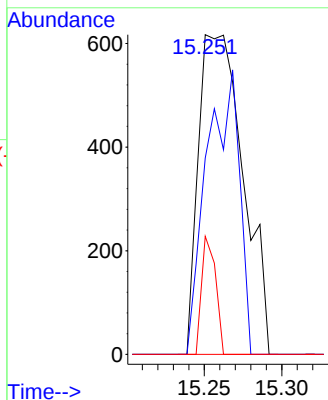
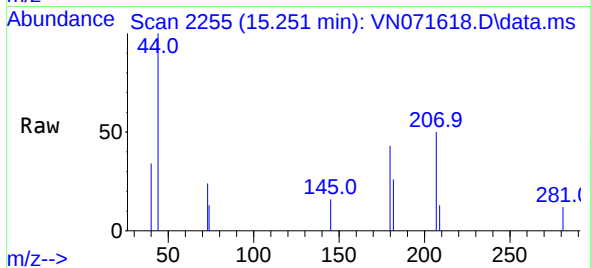




#93  
1,2,4-Trichlorobenzene  
Concen: 0.212 ug/l  
RT: 15.251 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:180 Resp: 1242  
Ion Ratio Lower Upper  
180 100  
182 64.3 47.5 142.5  
145 11.5 14.5 43.5#



#95  
Naphthalene  
Concen: 4.823 ug/l  
RT: 15.509 min Scan# 2299  
Delta R.T. 0.011 min  
Lab File: VN071618.D  
Acq: 28 Mar 2022 21:33

Tgt Ion:128 Resp: 2697  
Ion Ratio Lower Upper  
128 100  
127 5.4 10.3 15.5#  
129 5.6 8.6 13.0#

