

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070821\  
 Data File : VN067674.D  
 Acq On : 8 Jul 2021 19:34  
 Operator : JC/MD  
 Sample : M2968-03  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jul 09 03:57:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 07 16:18:53 2021  
 Response via : Initial Calibration

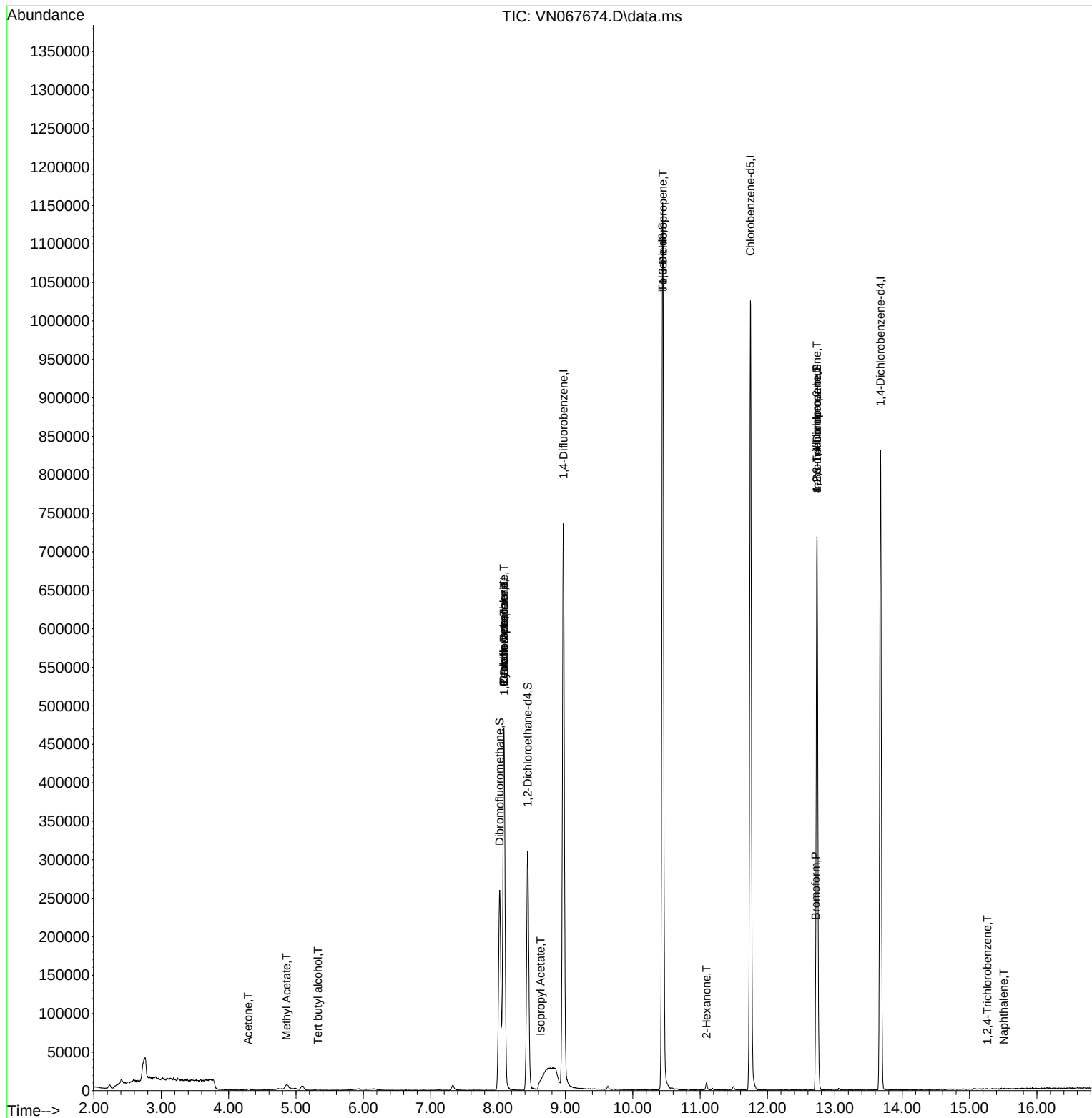
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 8.088     | 168            | 334558   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.971     | 114            | 631954   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.746    | 117            | 580759   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.678    | 152            | 206808   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440     | 65             | 262537   | 51.924     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 61 - 141 | Recovery | = 103.840% |        |          |
| 35) Dibromofluoromethane      | 8.024     | 113            | 188753   | 49.436     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 69 - 133 | Recovery | = 98.880%  |        |          |
| 50) Toluene-d8                | 10.443    | 98             | 811828   | 50.797     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 65 - 126 | Recovery | = 101.600% |        |          |
| 62) 4-Bromofluorobenzene      | 12.733    | 95             | 249521   | 44.197     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 58 - 135 | Recovery | = 88.400%  |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            |        | Qvalue   |
| 5) Bromomethane               | 2.850     | 94             | 539      | Below Cal  |        | 86       |
| 6) Chloroethane               | 2.848     | 64             | 26       | Below Cal  | #      | 44       |
| 11) Tert butyl alcohol        | 5.326     | 59             | 744      | 1.024      | ug/l # | 71       |
| 13) Acrolein                  | 4.047     | 56             | 115      | Below Cal  | #      | 1        |
| 16) Acetone                   | 4.291     | 43             | 930      | 0.585      | ug/l # | 88       |
| 18) Methyl Acetate            | 4.859     | 43             | 13150    | 2.943      | ug/l # | 87       |
| 31) Cyclohexane               | 8.088     | 56             | 9173     | 1.294      | ug/l # | 4        |
| 36) 1,1-Dichloropropene       | 8.091     | 75             | 30878    | 5.260      | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 8.086     | 117            | 36116    | 6.237      | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.630     | 43             | 9174     | 0.917      | ug/l # | 58       |
| 53) t-1,3-Dichloropropene     | 10.448    | 75             | 31       | 1.748      | ug/l # | 45       |
| 59) 2-Hexanone                | 11.095    | 43             | 2219     | 0.517      | ug/l # | 55       |
| 71) Bromoform                 | 12.715    | 173            | 133      | 3.209      | ug/l # | 29       |
| 76) 1,2,3-Trichloropropane    | 12.733    | 75             | 142070   | 33.639     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.733    | 75             | 142070   | 108.455    | ug/l # | 6        |
| 93) 1,2,4-Trichlorobenzene    | 15.265    | 180            | 53       | 2.689      | ug/l # | 12       |
| 95) Naphthalene               | 15.507    | 128            | 622      | 3.070      | ug/l # | 69       |
| -----                         |           |                |          |            |        |          |

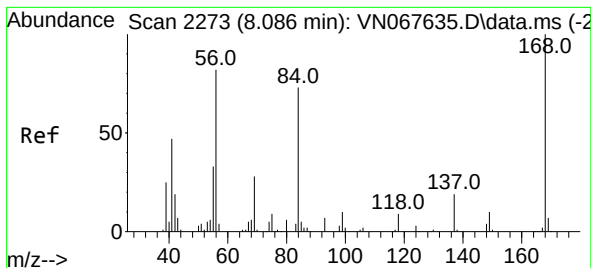
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070821\  
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ClientSampleId :

Quant Time: Jul 09 03:57:06 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 07 16:18:53 2021  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067674.D

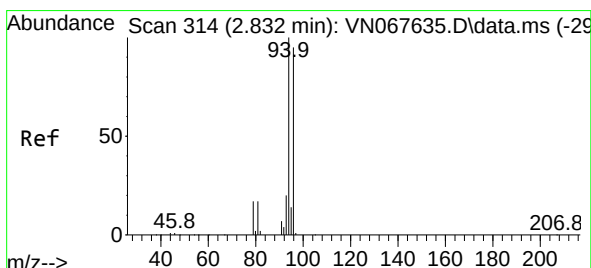
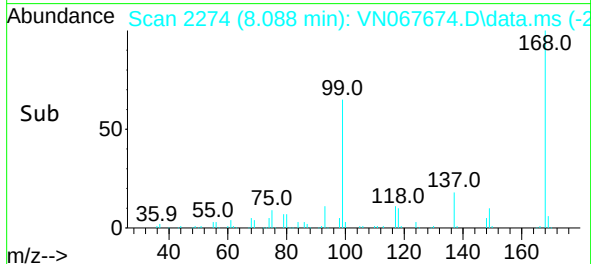
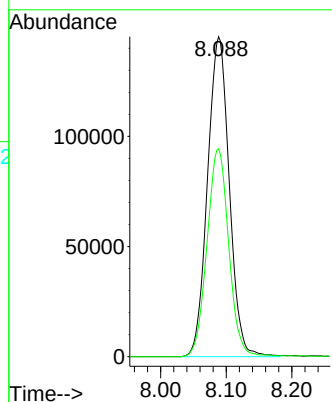
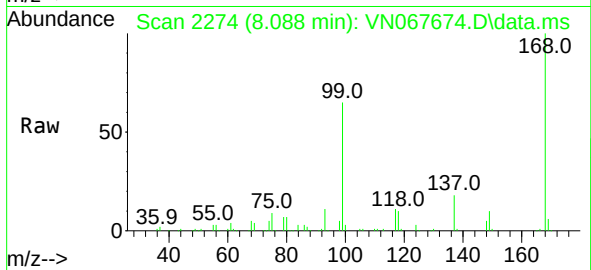
Acq: 8 Jul 2021 19:34

Tgt Ion:168 Resp: 334558

Ion Ratio Lower Upper

168 100

99 65.0 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.850 min Scan# 321

Delta R.T. 0.018 min

Lab File: VN067674.D

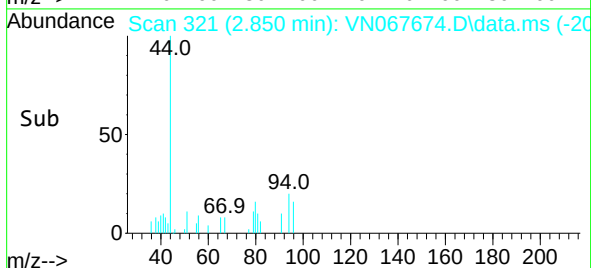
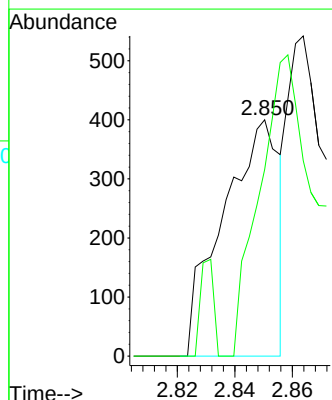
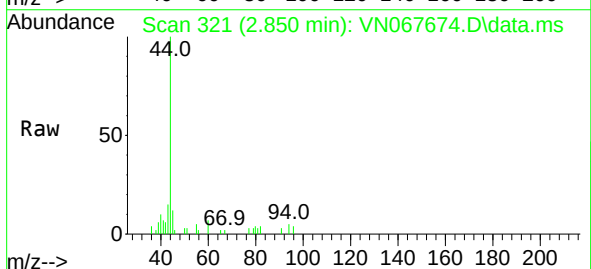
Acq: 8 Jul 2021 19:34

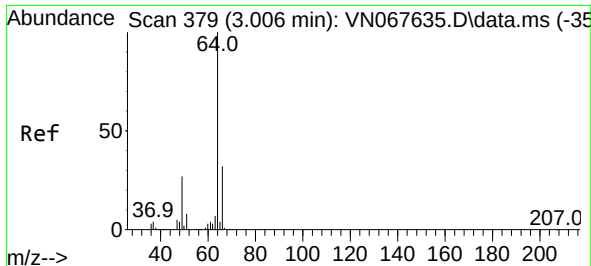
Tgt Ion: 94 Resp: 539

Ion Ratio Lower Upper

94 100

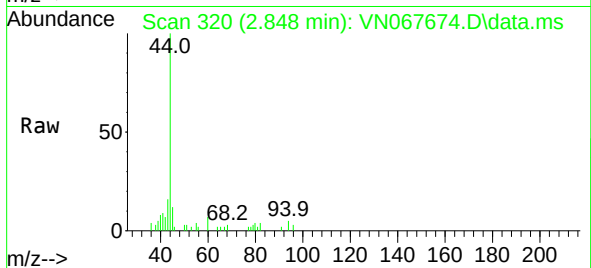
96 79.0 73.7 110.5



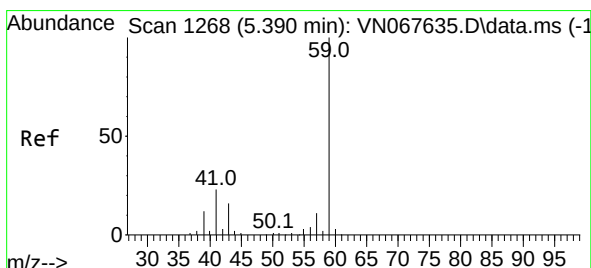
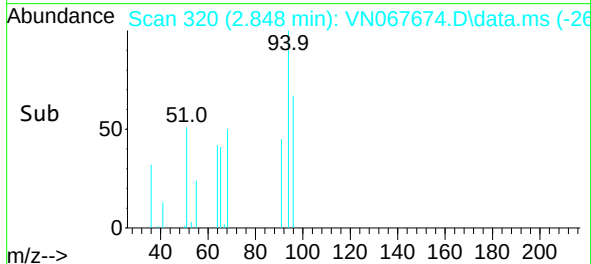
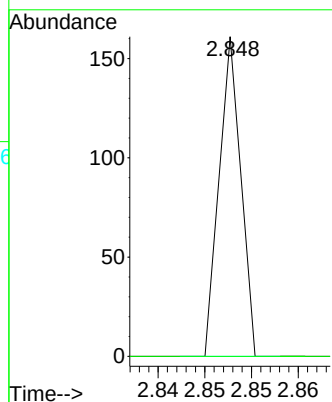


#6  
Chloroethane  
Concen: Below Cal  
RT: 2.848 min Scan# 320  
Delta R.T. -0.158 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Instrument :  
MSVOA\_N  
ClientSampleId :

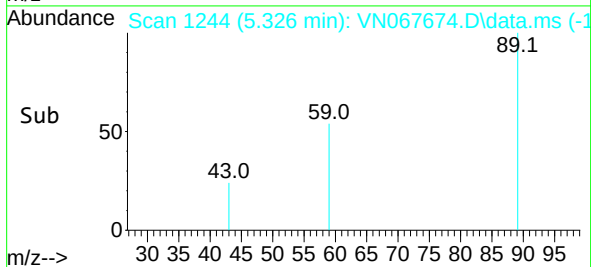
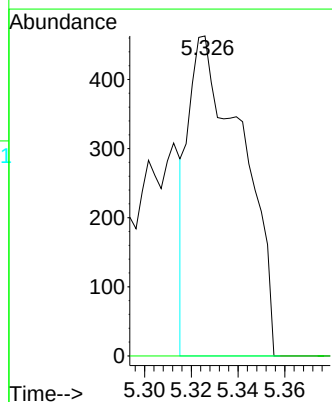
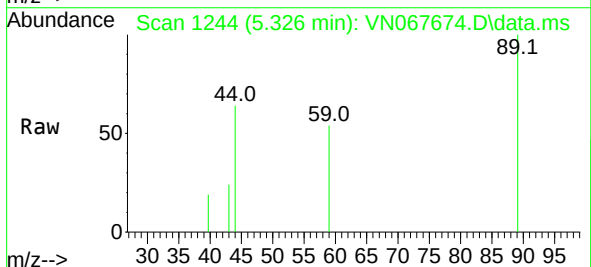


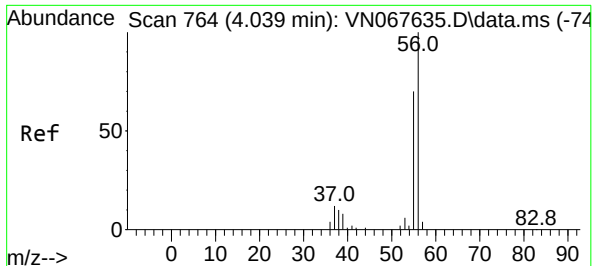
Tgt Ion: 64 Resp: 26  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.7 37.1#



#11  
Tert butyl alcohol  
Concen: 1.024 ug/l  
RT: 5.326 min Scan# 1244  
Delta R.T. -0.064 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Tgt Ion: 59 Resp: 744  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#

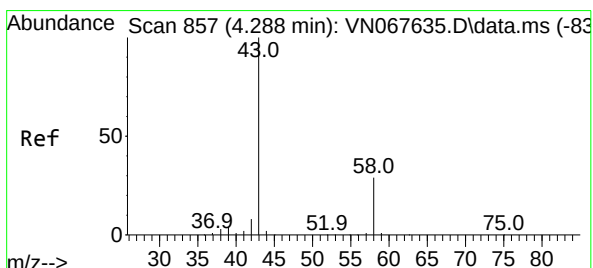
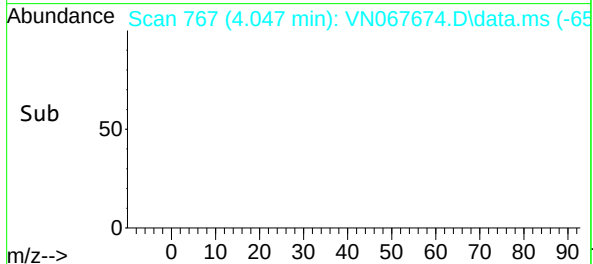
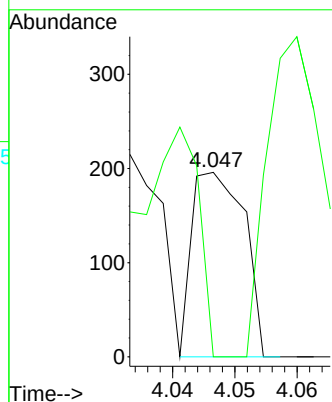
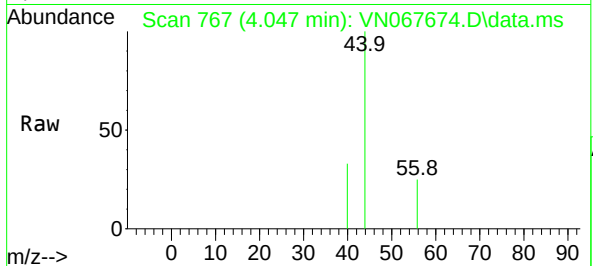




#13  
Acrolein  
Concen: Below Cal  
RT: 4.047 min Scan# 767  
Delta R.T. 0.008 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

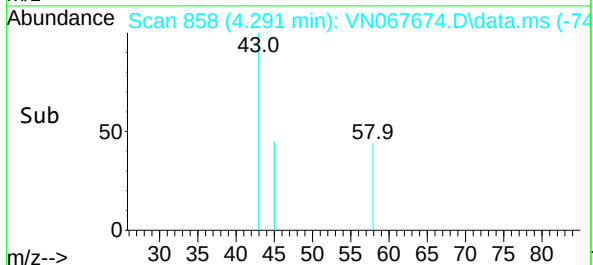
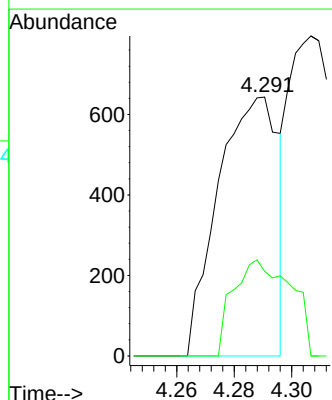
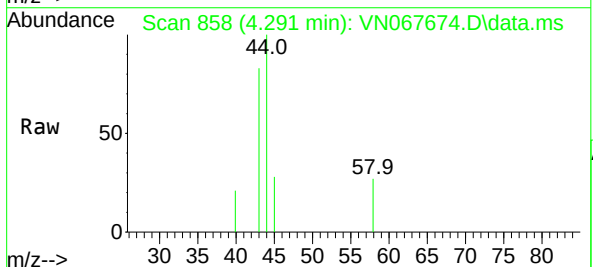
Instrument :  
MSVOA\_N  
ClientSampled :

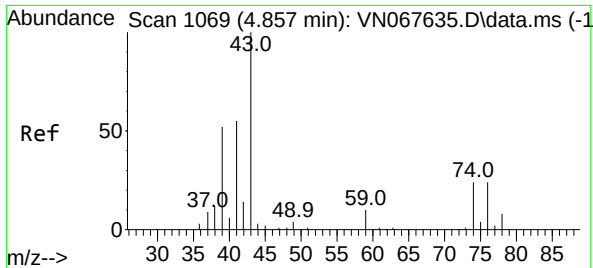
Tgt Ion: 56 Resp: 115  
Ion Ratio Lower Upper  
56 100  
55 157.4 57.4 86.0#



#16  
Acetone  
Concen: 0.585 ug/l  
RT: 4.291 min Scan# 858  
Delta R.T. 0.003 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Tgt Ion: 43 Resp: 930  
Ion Ratio Lower Upper  
43 100  
58 32.7 21.2 31.8#





#18

Methyl Acetate

Concen: 2.943 ug/l

RT: 4.859 min Scan# 1070

Delta R.T. 0.002 min

Lab File: VN067674.D

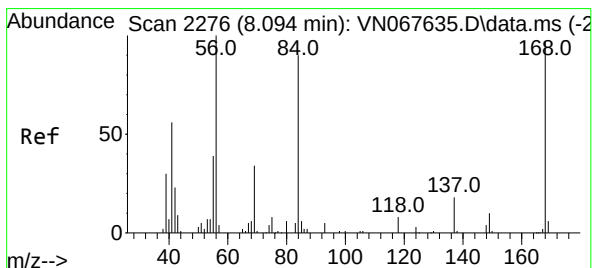
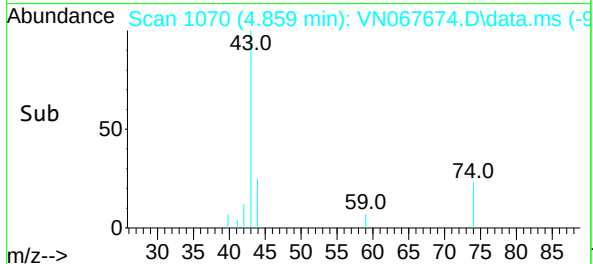
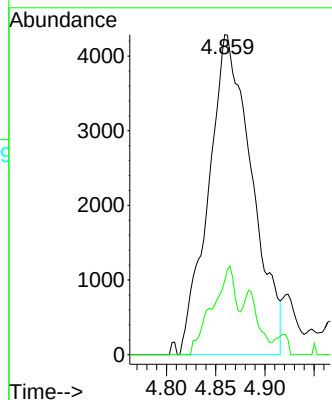
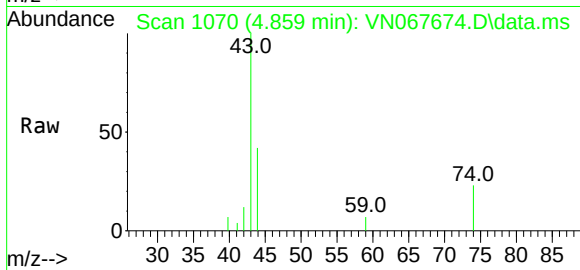
Acq: 8 Jul 2021 19:34

Tgt Ion: 43 Resp: 13150

Ion Ratio Lower Upper

43 100

74 15.4 17.4 26.0#



#31

Cyclohexane

Concen: 1.294 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN067674.D

Acq: 8 Jul 2021 19:34

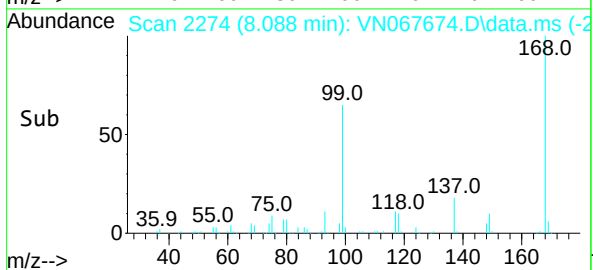
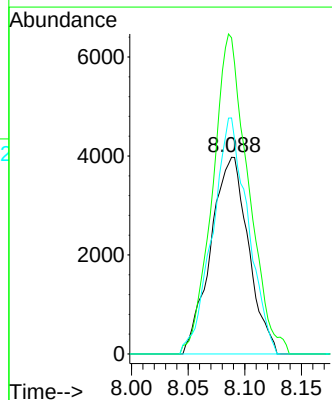
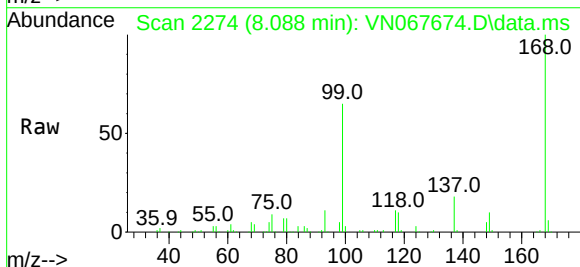
Tgt Ion: 56 Resp: 9173

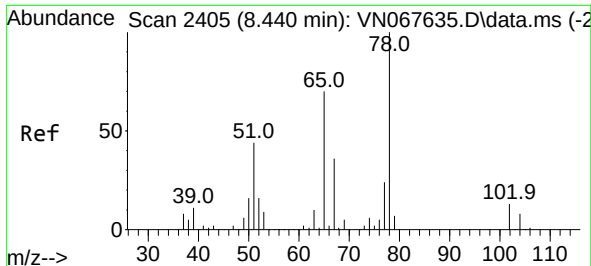
Ion Ratio Lower Upper

56 100

69 160.8 27.3 40.9#

84 120.0 64.9 97.3#



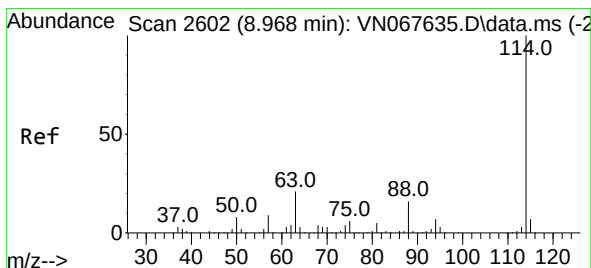
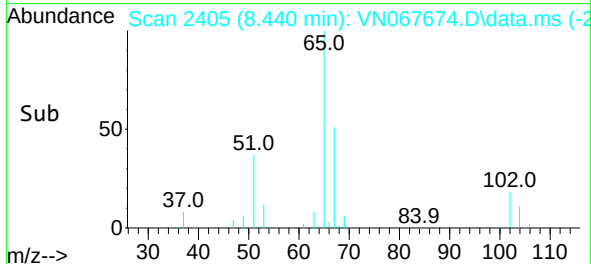
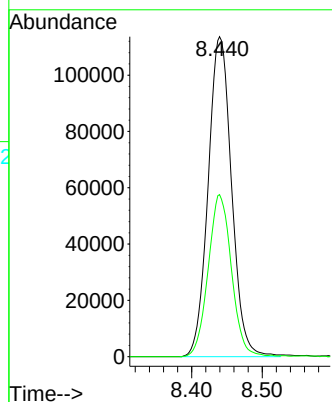
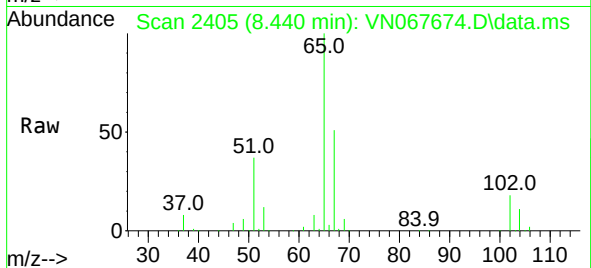


#33

1,2-Dichloroethane-d4  
Concen: 51.924 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Instrument :  
MSVOA\_N  
ClientSampled :

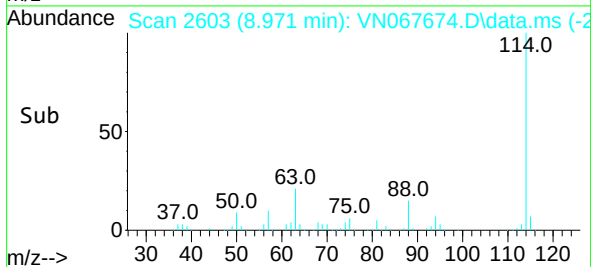
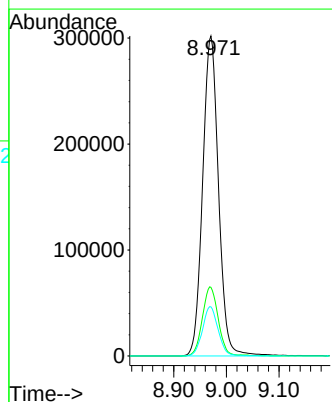
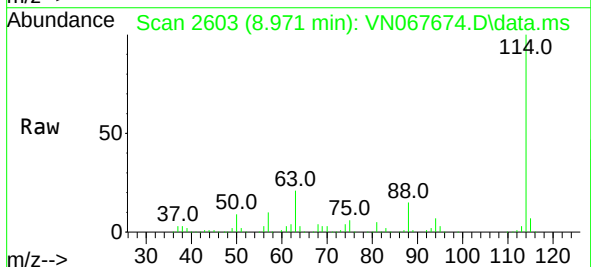
Tgt Ion: 65 Resp: 262537  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 98.6

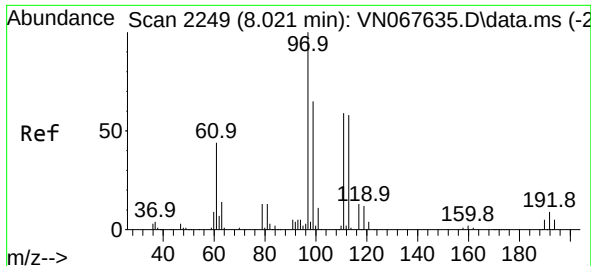


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Tgt Ion: 114 Resp: 631954  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 49.0  
88 15.4 0.0 36.6

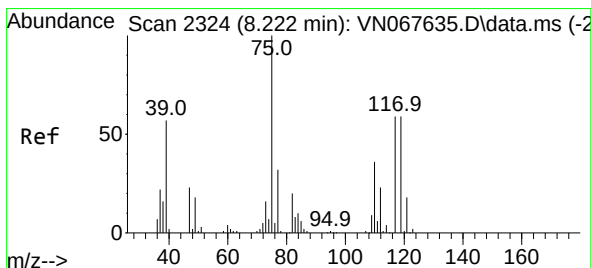
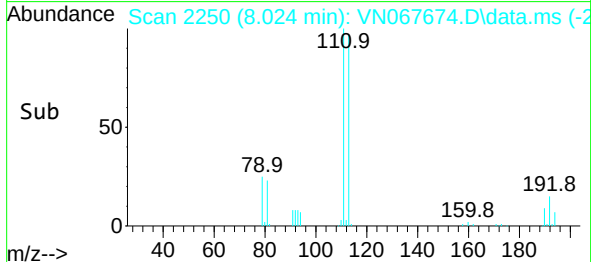
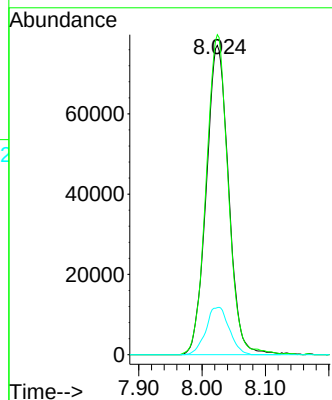
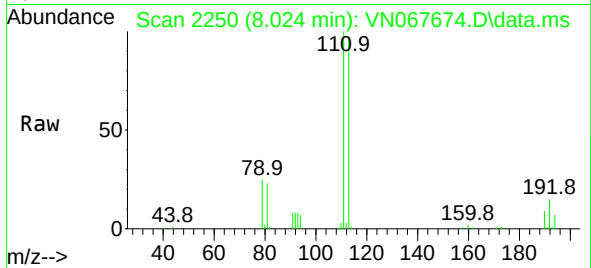




#35  
Dibromofluoromethane  
Concen: 49.436 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

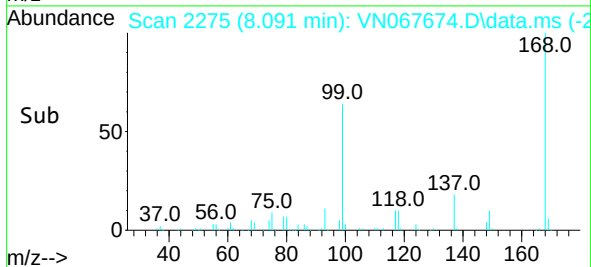
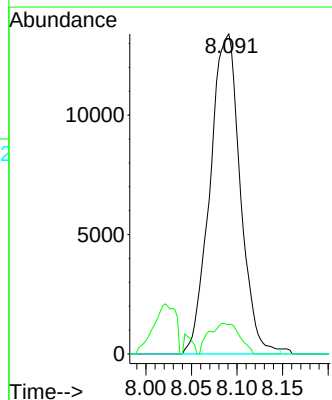
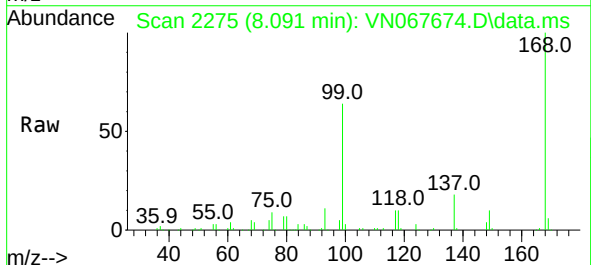
Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion:113 Resp: 188753  
Ion Ratio Lower Upper  
113 100  
111 100.7 83.8 125.8  
192 15.9 13.4 20.0

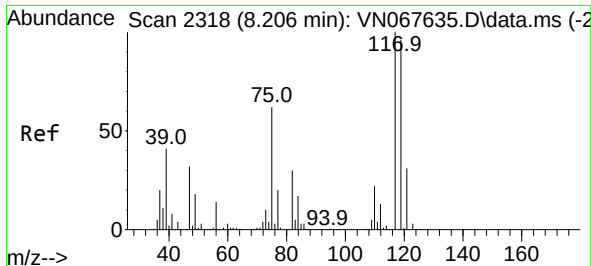


#36  
1,1-Dichloropropene  
Concen: 5.260 ug/l  
RT: 8.091 min Scan# 2275  
Delta R.T. -0.131 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Tgt Ion: 75 Resp: 30878  
Ion Ratio Lower Upper  
75 100  
110 9.6 15.7 47.0#  
77 0.0 24.6 37.0#

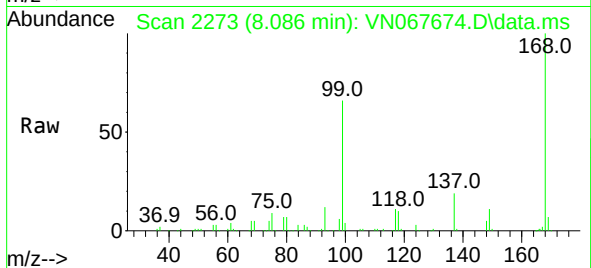




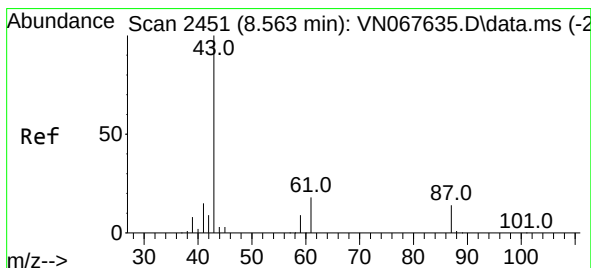
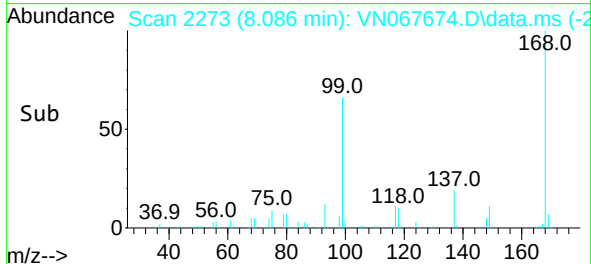
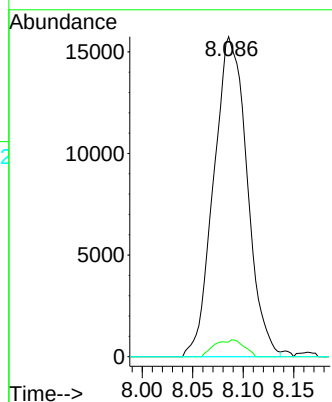


#38  
Carbon Tetrachloride  
Concen: 6.237 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.120 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Instrument :  
MSVOA\_N  
ClientSampleId :

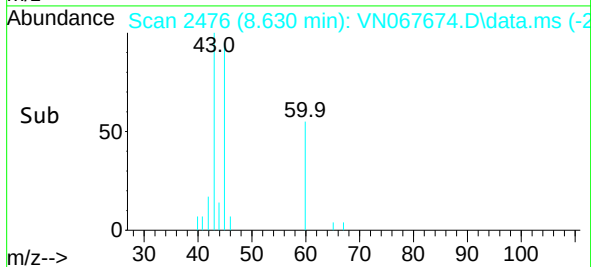
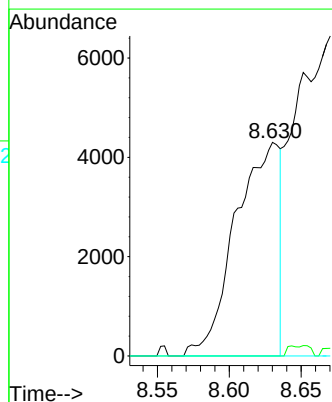
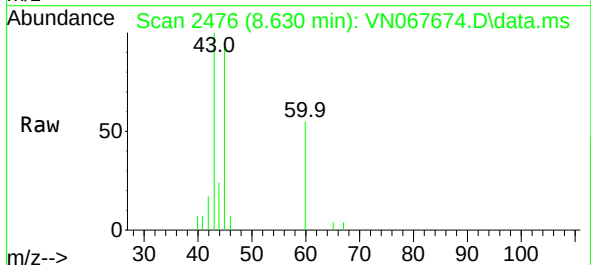


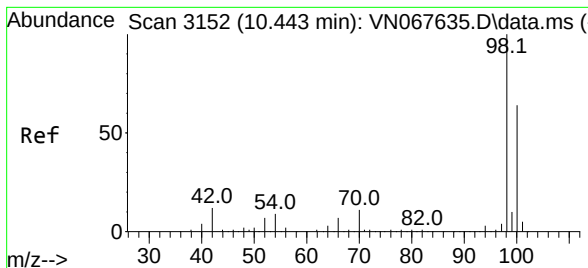
Tgt Ion:117 Resp: 36116  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.4 113.2#  
121 0.0 23.5 35.3#



#43  
Isopropyl Acetate  
Concen: 0.917 ug/l  
RT: 8.630 min Scan# 2476  
Delta R.T. 0.067 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Tgt Ion: 43 Resp: 9174  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.0 28.4#  
87 0.0 9.5 14.3#

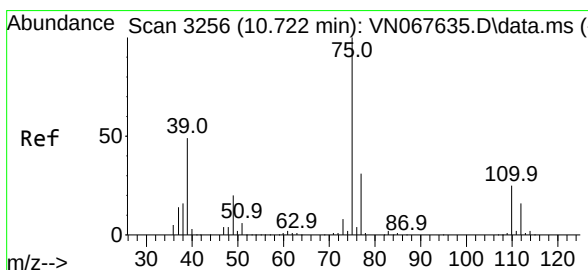
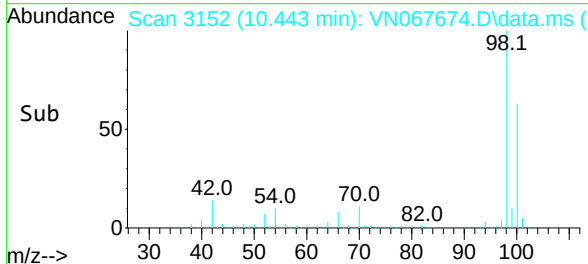
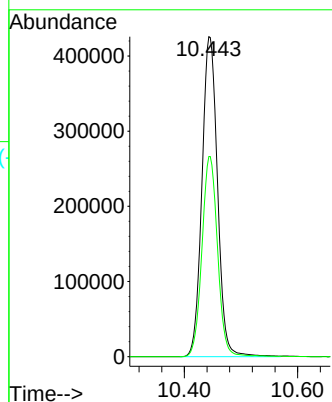
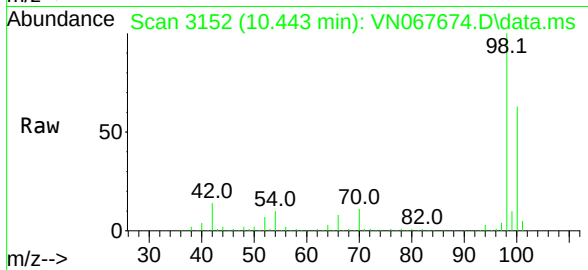




#50  
Toluene-d8  
Concen: 50.797 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

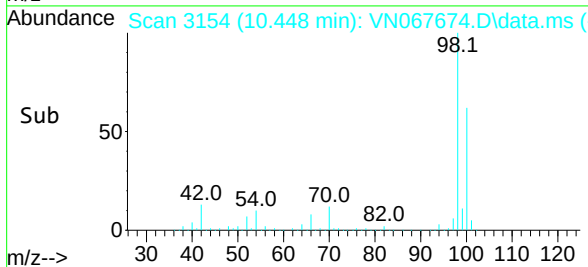
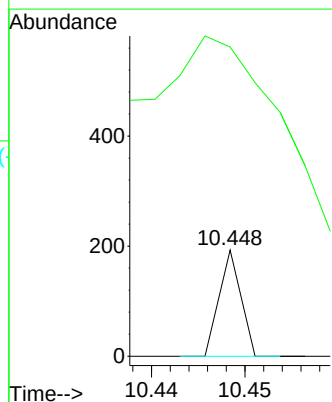
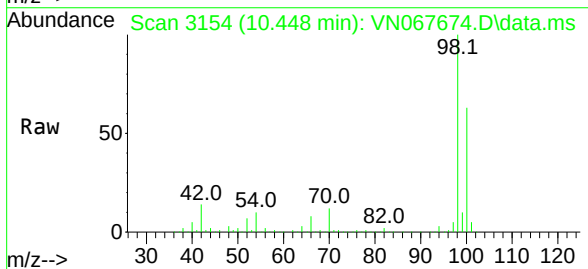
Instrument :  
MSVOA\_N  
ClientSampled :

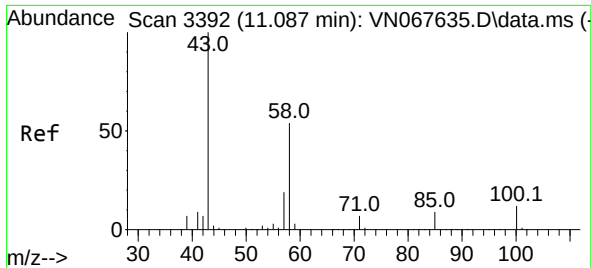
Tgt Ion: 98 Resp: 811828  
Ion Ratio Lower Upper  
98 100  
100 62.5 51.7 77.5



#53  
t-1,3-Dichloropropene  
Concen: 1.748 ug/l  
RT: 10.448 min Scan# 3154  
Delta R.T. -0.274 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Tgt Ion: 75 Resp: 31  
Ion Ratio Lower Upper  
75 100  
77 61.7 25.1 37.7#

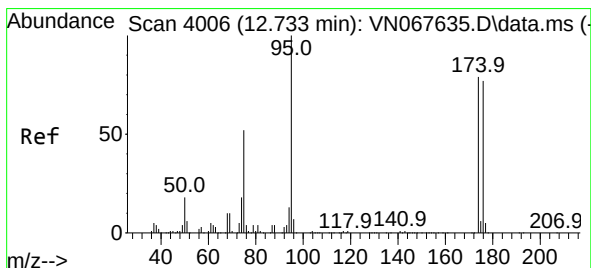
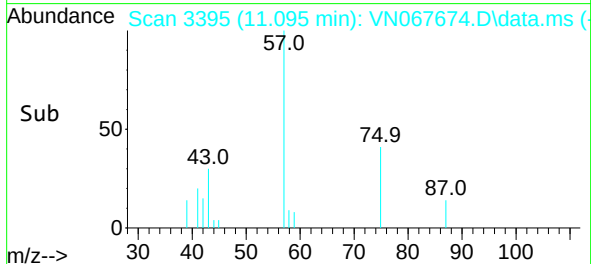
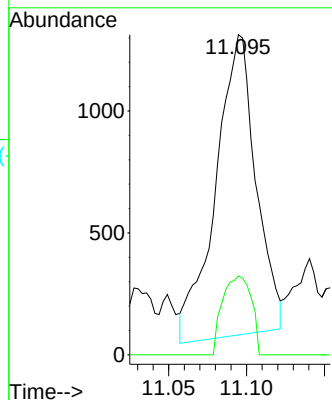
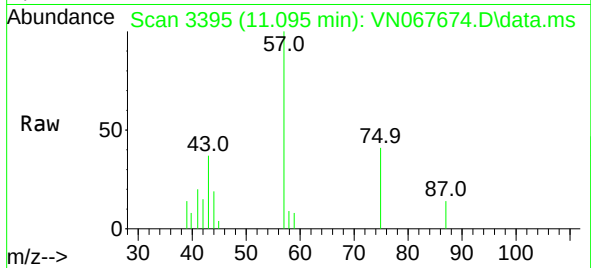




#59  
2-Hexanone  
Concen: 0.517 ug/l  
RT: 11.095 min Scan# 3395  
Delta R.T. 0.008 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

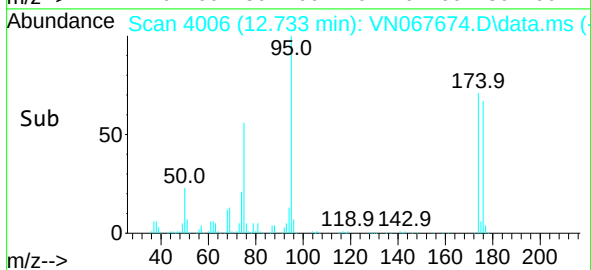
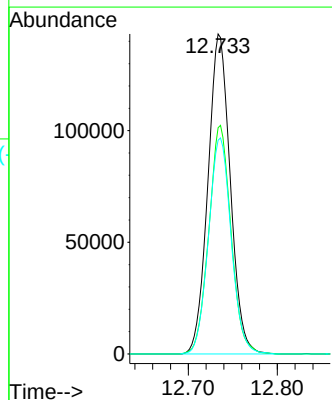
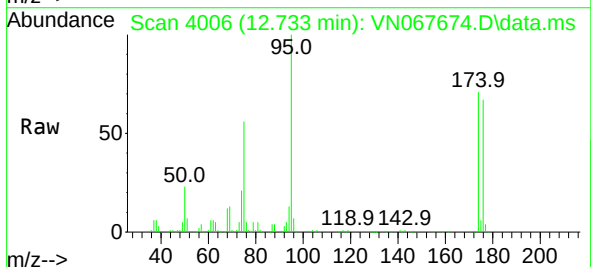
Instrument :  
MSVOA\_N  
ClientSampleId :

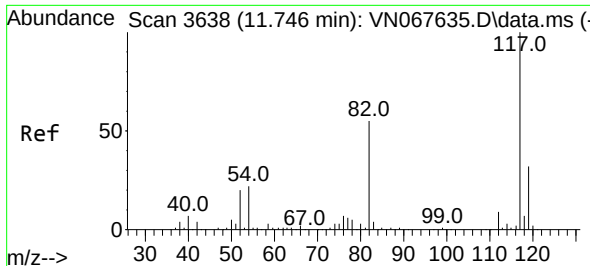
Tgt Ion: 43 Resp: 2219  
Ion Ratio Lower Upper  
43 100  
58 18.7 24.7 74.1#



#62  
4-Bromofluorobenzene  
Concen: 44.197 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Tgt Ion: 95 Resp: 249521  
Ion Ratio Lower Upper  
95 100  
174 71.1 0.0 122.0  
176 68.7 0.0 117.6

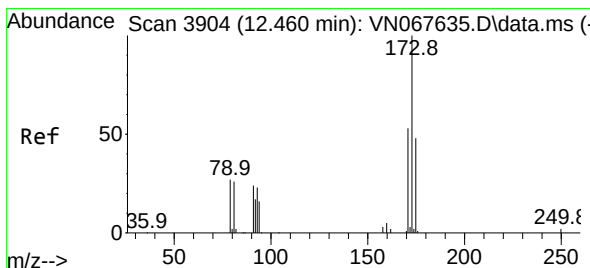
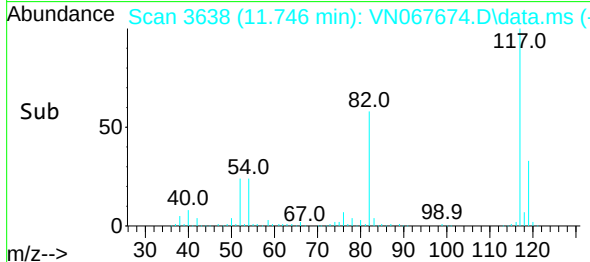
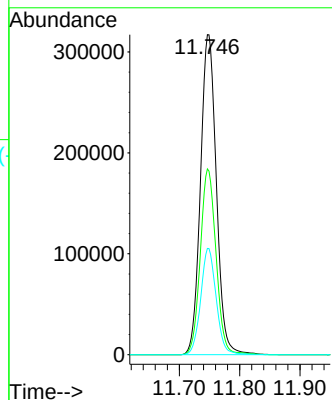
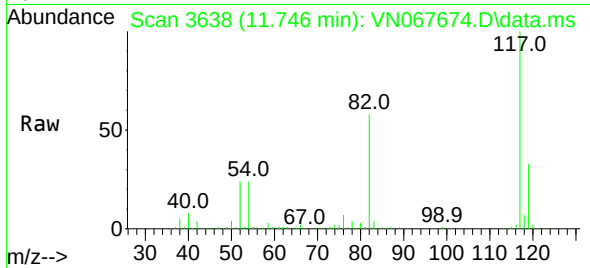




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

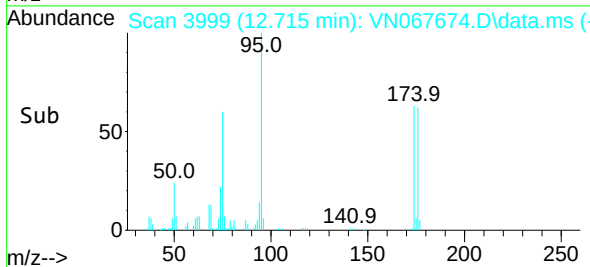
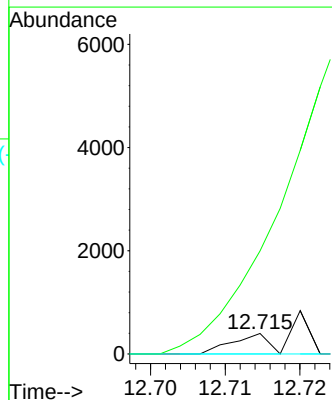
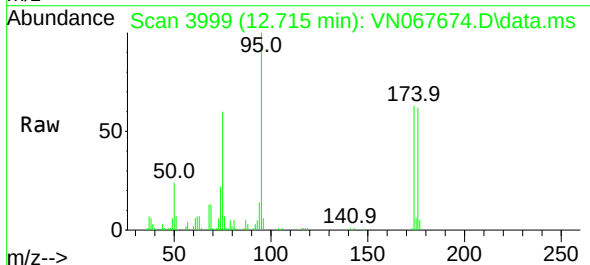
Instrument :  
MSVOA\_N  
ClientSampleId :

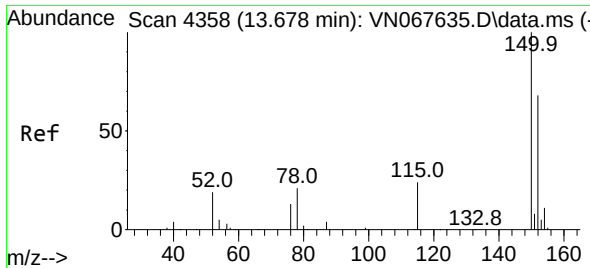
Tgt Ion:117 Resp: 580759  
Ion Ratio Lower Upper  
117 100  
82 58.0 53.1 79.7  
119 33.2 25.5 38.3



#71  
Bromoform  
Concen: 3.209 ug/l  
RT: 12.715 min Scan# 3999  
Delta R.T. 0.255 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Tgt Ion:173 Resp: 133  
Ion Ratio Lower Upper  
173 100  
175 0.0 23.9 71.8#  
254 0.0 0.0 0.0

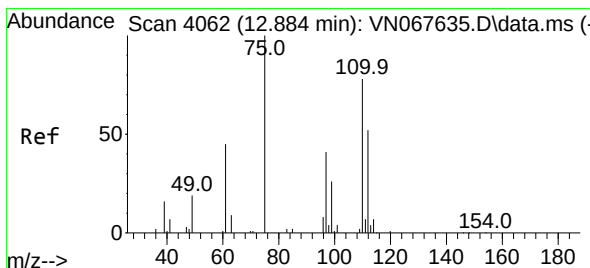
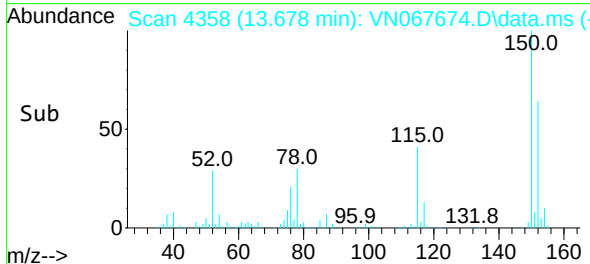
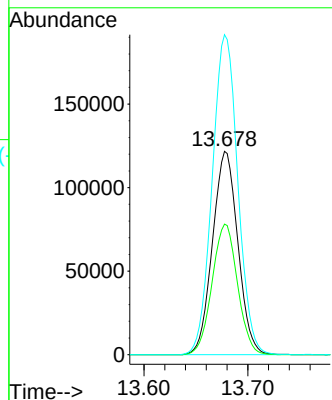
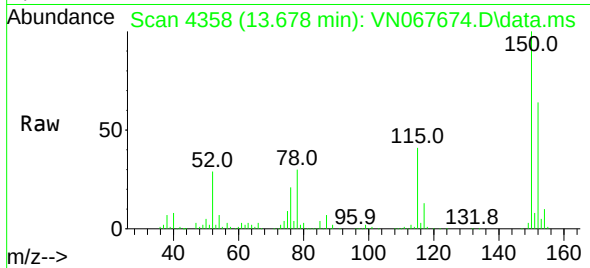




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.678 min Scan# 4358  
 Delta R.T. -0.000 min  
 Lab File: VN067674.D  
 Acq: 8 Jul 2021 19:34

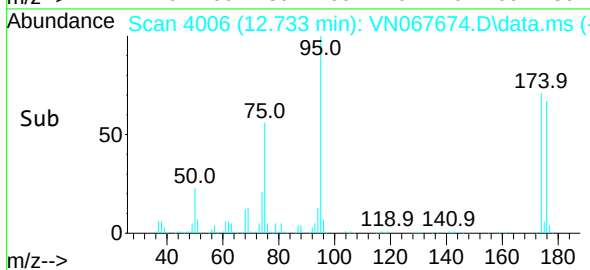
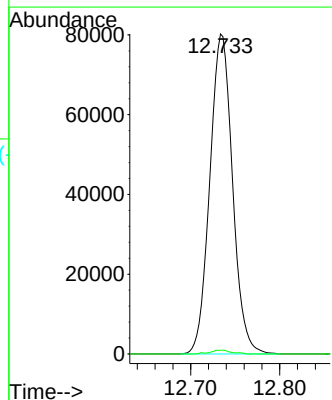
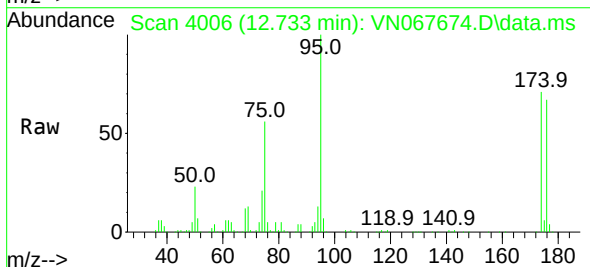
Instrument :  
 MSVOA\_N  
 ClientSampleId :

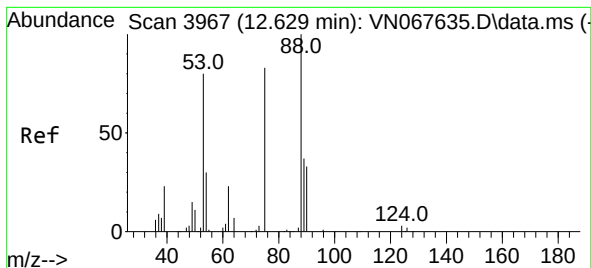
Tgt Ion:152 Resp: 206808  
 Ion Ratio Lower Upper  
 152 100  
 115 64.3 36.1 108.5  
 150 158.8 0.0 351.8



#76  
 1,2,3-Trichloropropane  
 Concen: 33.639 ug/l  
 RT: 12.733 min Scan# 4006  
 Delta R.T. -0.151 min  
 Lab File: VN067674.D  
 Acq: 8 Jul 2021 19:34

Tgt Ion: 75 Resp: 142070  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 0.0 0.0#

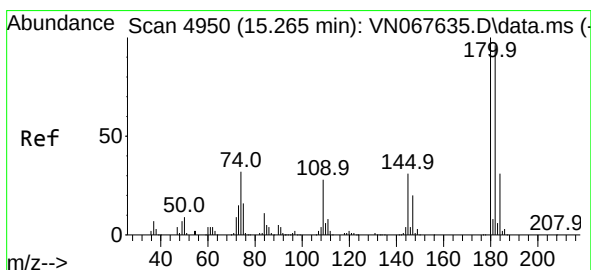
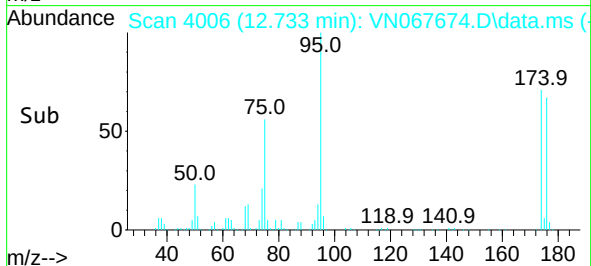
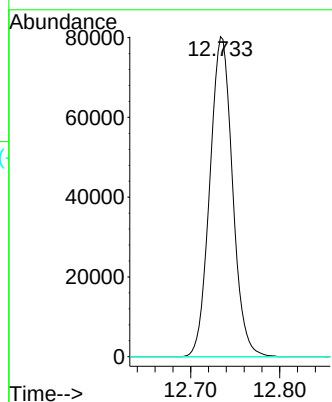
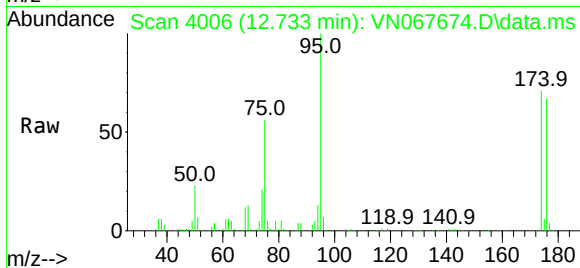




#81  
trans-1,4-Dichloro-2-butene  
Concen: 108.455 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.104 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

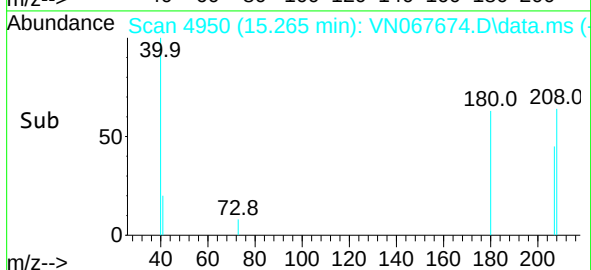
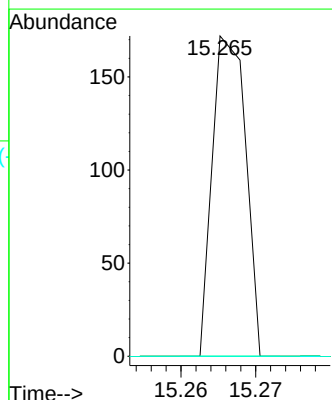
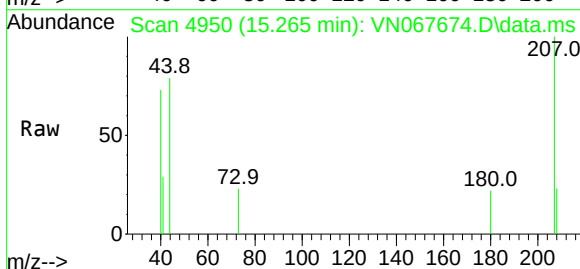
Instrument :  
MSVOA\_N  
ClientSampleId :

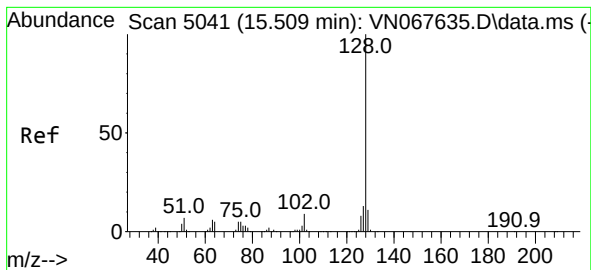
Tgt Ion: 75 Resp: 142070  
Ion Ratio Lower Upper  
75 100  
53 0.0 87.6 131.4#  
89 0.0 37.8 56.8#



#93  
1,2,4-Trichlorobenzene  
Concen: 2.689 ug/l  
RT: 15.265 min Scan# 4950  
Delta R.T. 0.000 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

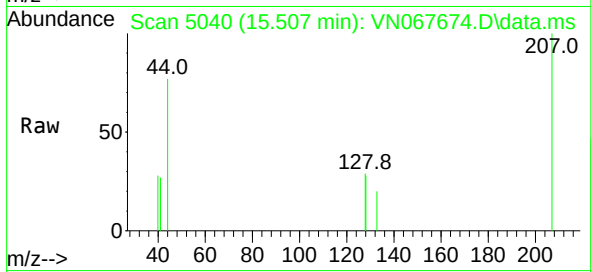
Tgt Ion:180 Resp: 53  
Ion Ratio Lower Upper  
180 100  
182 0.0 47.5 142.5#  
145 0.0 17.2 51.6#





#95  
Naphthalene  
Concen: 3.070 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.002 min  
Lab File: VN067674.D  
Acq: 8 Jul 2021 19:34

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion:128 Resp: 622  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 15.8#  
129 0.0 8.6 12.8#

