

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042022\  
 Data File : VN072100.D  
 Acq On : 21 Apr 2022 01:05  
 Operator : JC\MD  
 Sample : N2482-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 21 03:40:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 2022  
 Response via : Initial Calibration

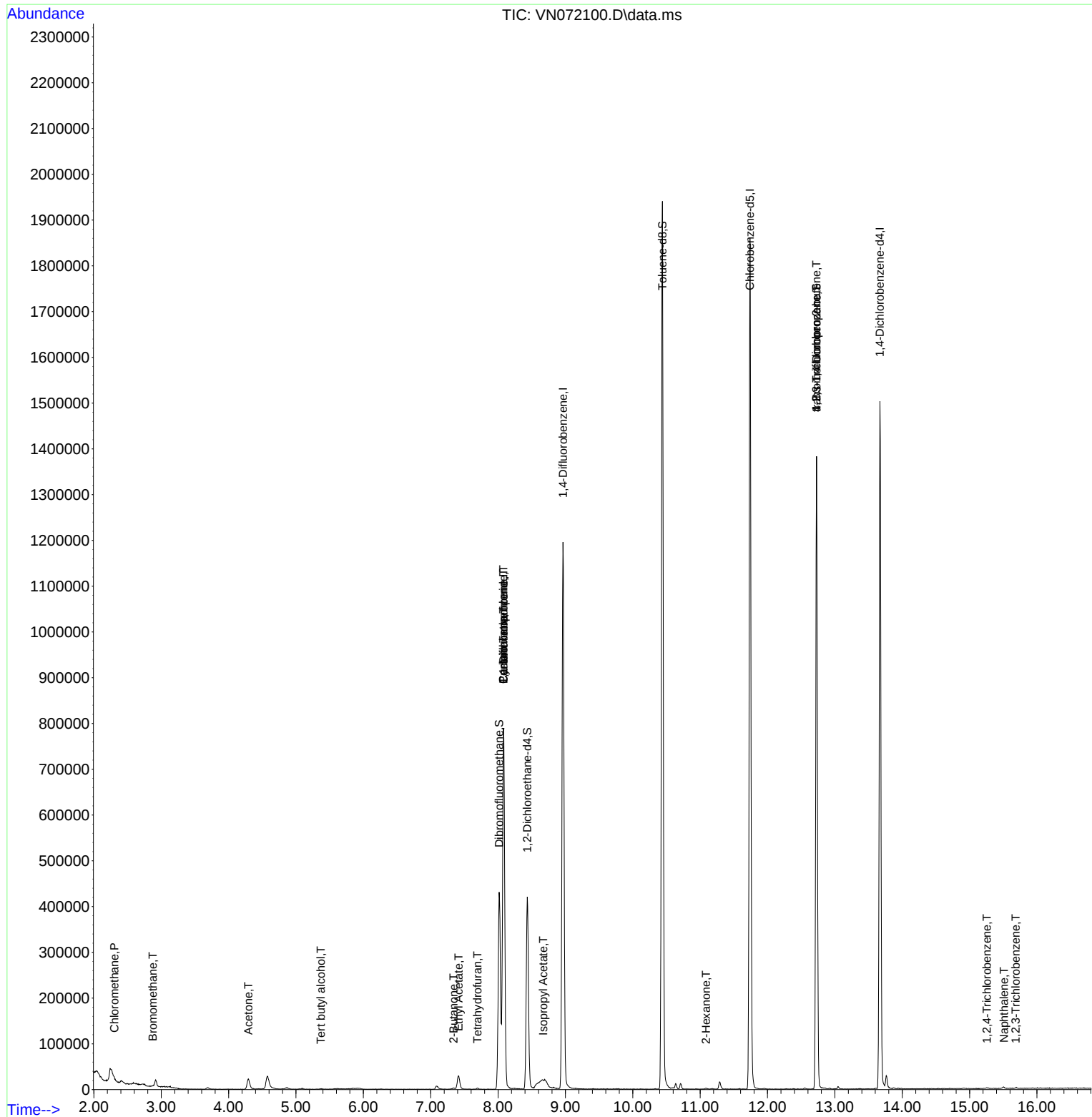
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.081          | 168  | 668841              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963          | 114  | 1142877             | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739         | 117  | 1174020             | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.668         | 152  | 452003              | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.433          | 65   | 347349              | 45.491    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 90.980%  |           |        |          |
| 35) Dibromofluoromethane      | 8.016          | 113  | 321463              | 47.800    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 95.600%  |           |        |          |
| 50) Toluene-d8                | 10.439         | 98   | 1435166             | 52.167    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 104.340% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.727         | 95   | 483677              | 54.361    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 108.720% |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 3) Chloromethane              | 2.304          | 50   | 2090                | 0.310     | ug/l # | 71       |
| 5) Bromomethane               | 2.875          | 94   | 1524                | 0.317     | ug/l # | 73       |
| 11) Tert butyl alcohol        | 5.369          | 59   | 2110                | 1.703     | ug/l # | 72       |
| 16) Acetone                   | 4.293          | 43   | 39487               | 12.101    | ug/l   | 94       |
| 18) Methyl Acetate            | 4.857          | 43   | 3565                | Below Cal | #      | 71       |
| 25) 2-Butanone                | 7.339          | 43   | 3686                | 0.784     | ug/l # | 70       |
| 29) Tetrahydrofuran           | 7.692          | 42   | 1076                | 0.353     | ug/l   | 95       |
| 31) Cyclohexane               | 8.081          | 56   | 9969                | 0.960     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.081          | 75   | 43547               | 4.637     | ug/l # | 48       |
| 37) Ethyl Acetate             | 7.416          | 43   | 46319               | 4.506     | ug/l   | 95       |
| 38) Carbon Tetrachloride      | 8.081          | 117  | 57200               | 6.215     | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.669          | 43   | 38655               | 2.261     | ug/l # | 53       |
| 59) 2-Hexanone                | 11.086         | 43   | 1733                | 0.250     | ug/l   | 79       |
| 76) 1,2,3-Trichloropropane    | 12.727         | 75   | 232892              | 22.242    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727         | 75   | 232892              | 68.926    | ug/l # | 10       |
| 93) 1,2,4-Trichlorobenzene    | 15.257         | 180  | 751                 | 2.186     | ug/l # | 64       |
| 95) Naphthalene               | 15.509         | 128  | 4769                | 4.017     | ug/l # | 87       |
| 96) 1,2,3-Trichlorobenzene    | 15.686         | 180  | 906                 | 2.538     | ug/l   | 89       |
| -----                         |                |      |                     |           |        |          |

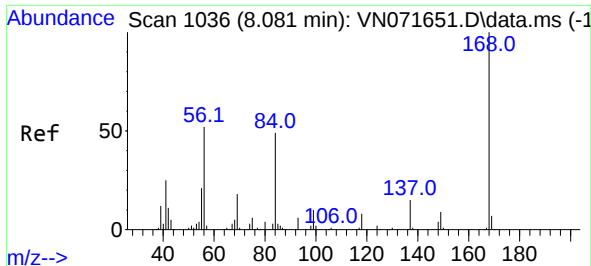
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :

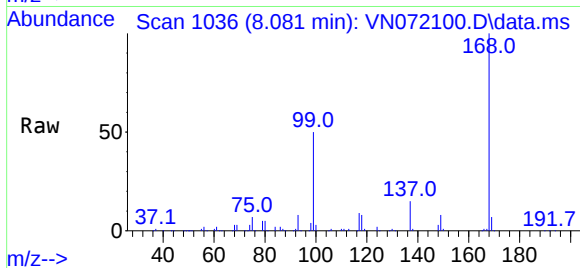
Quant Time: Apr 21 03:40:39 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 31 01:57:54 2022  
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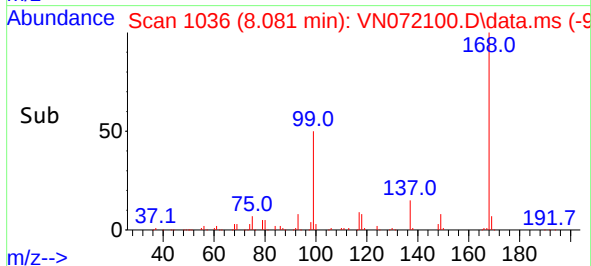
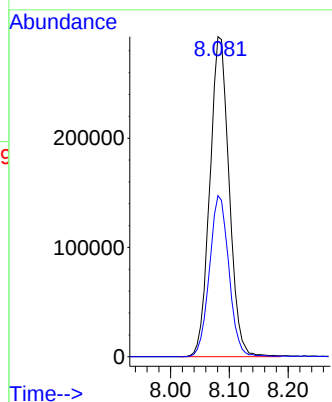


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

Instrument :  
MSVOA\_N  
ClientSampleId :

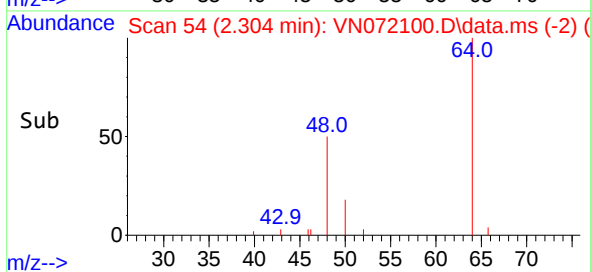
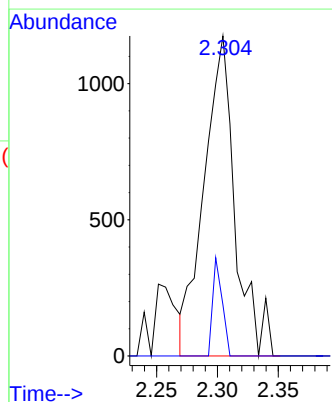
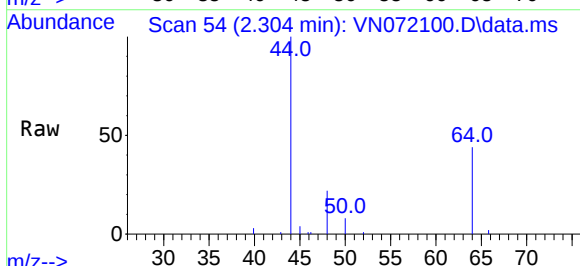


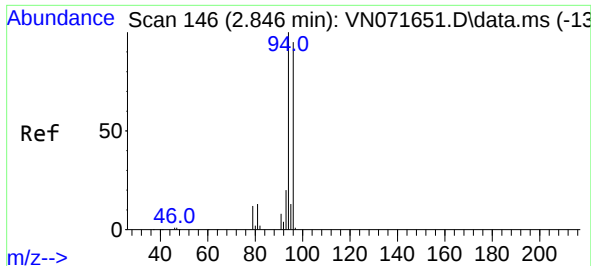
Tgt Ion:168 Resp: 668841  
Ion Ratio Lower Upper  
168 100  
99 50.3 42.3 63.5



#3  
Chloromethane  
Concen: 0.310 ug/l  
RT: 2.304 min Scan# 54  
Delta R.T. 0.005 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

Tgt Ion: 50 Resp: 2090  
Ion Ratio Lower Upper  
50 100  
52 16.0 25.7 38.5#

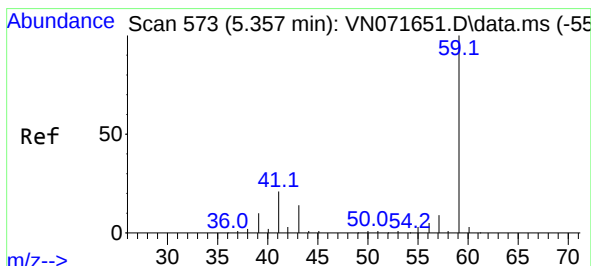
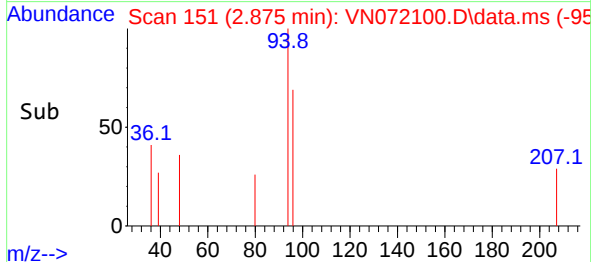
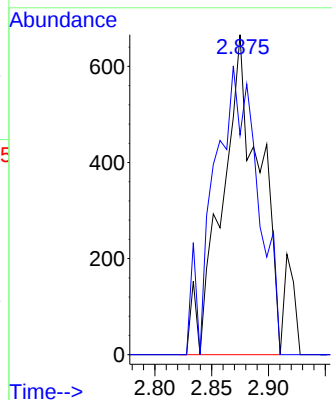
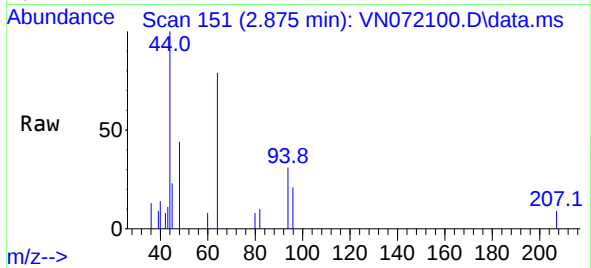




#5  
Bromomethane  
Concen: 0.317 ug/l  
RT: 2.875 min Scan# 11  
Delta R.T. 0.029 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

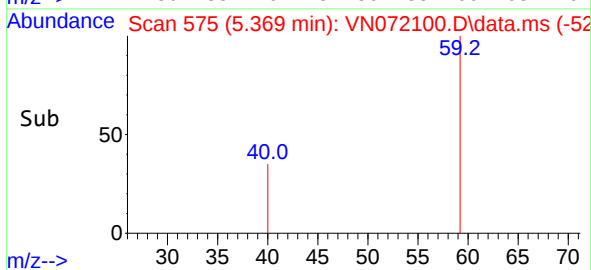
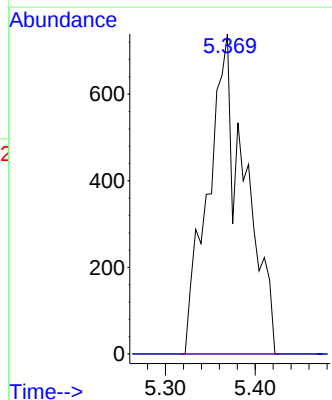
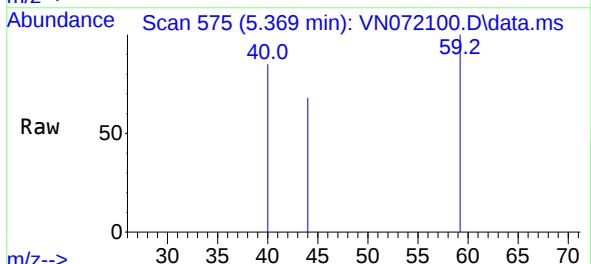
Instrument :  
MSVOA\_N  
ClientSampleId :

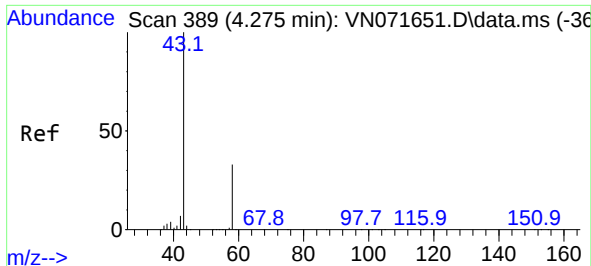
Tgt Ion: 94 Resp: 1524  
Ion Ratio Lower Upper  
94 100  
96 68.6 76.0 114.0#



#11  
Tert butyl alcohol  
Concen: 1.703 ug/l  
RT: 5.369 min Scan# 575  
Delta R.T. 0.012 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

Tgt Ion: 59 Resp: 2110  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

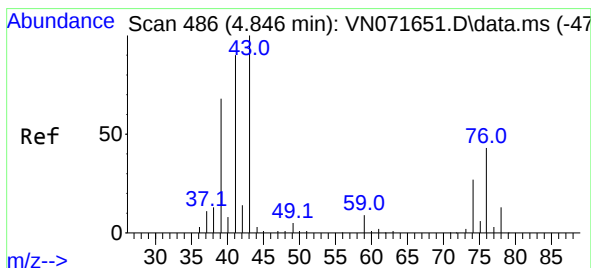
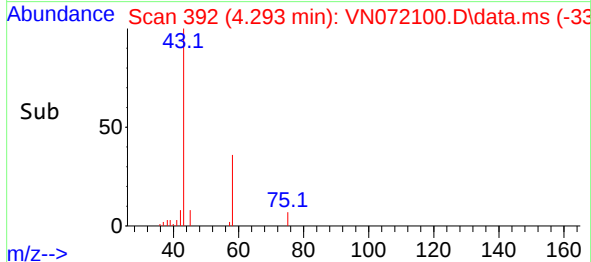
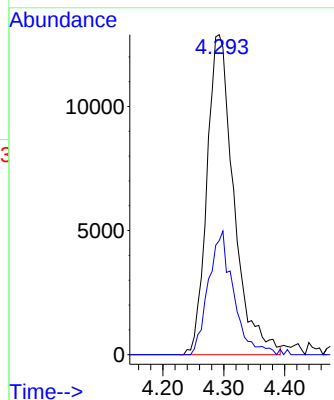
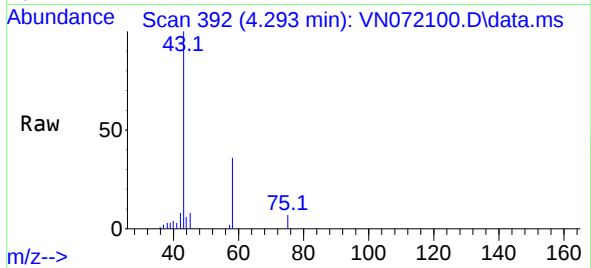




#16  
Acetone  
Concen: 12.101 ug/l  
RT: 4.293 min Scan# 392  
Delta R.T. 0.018 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

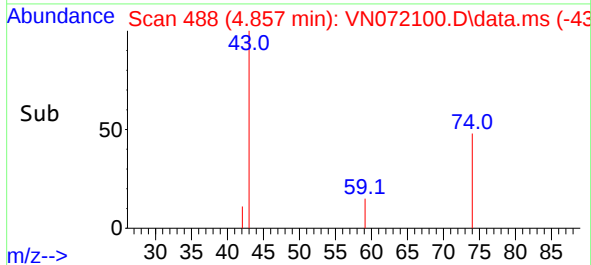
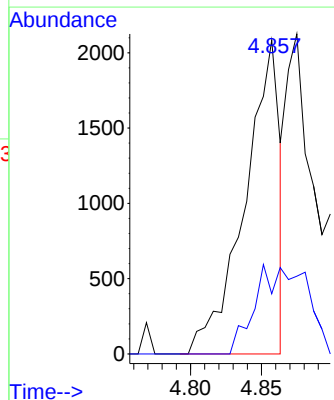
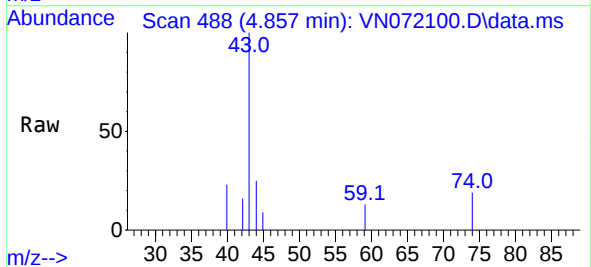
Instrument :  
MSVOA\_N  
ClientSampleId :

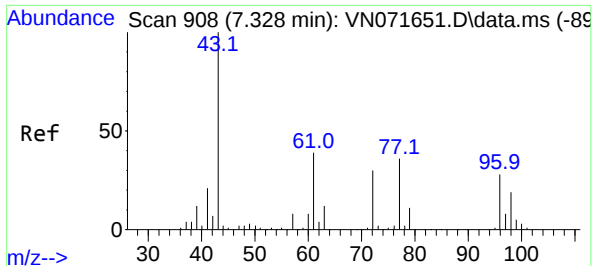
Tgt Ion: 43 Resp: 39487  
Ion Ratio Lower Upper  
43 100  
58 35.7 26.0 39.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.857 min Scan# 488  
Delta R.T. 0.011 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

Tgt Ion: 43 Resp: 3565  
Ion Ratio Lower Upper  
43 100  
74 41.8 21.6 32.4#





#25

2-Butanone

Concen: 0.784 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.011 min

Lab File: VN072100.D

Acq: 21 Apr 2022 01:05

Instrument :

MSVOA\_N

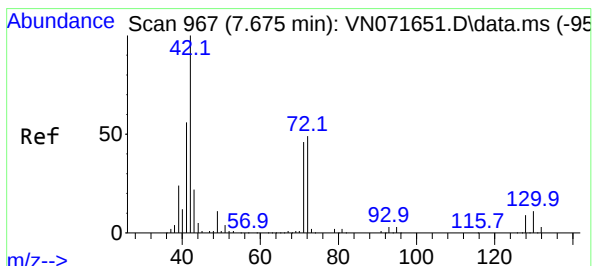
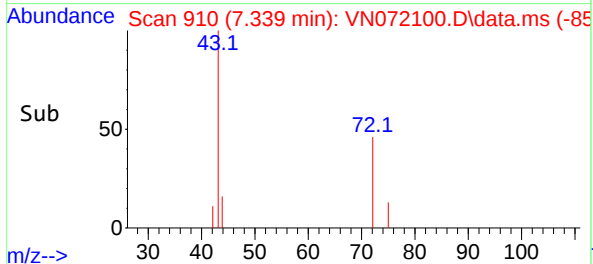
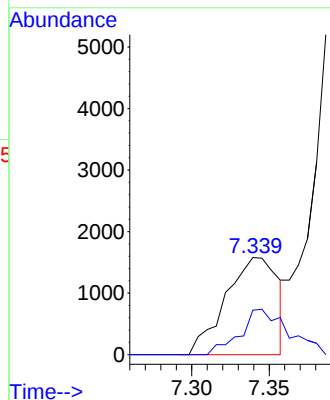
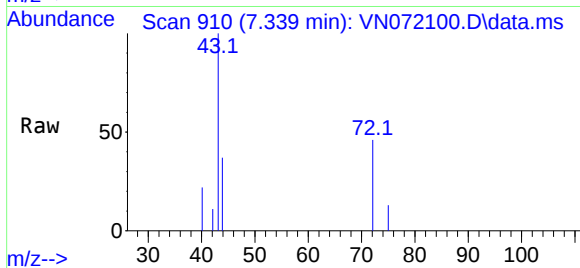
ClientSampleId :

Tgt Ion: 43 Resp: 3686

Ion Ratio Lower Upper

43 100

72 45.9 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.353 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.017 min

Lab File: VN072100.D

Acq: 21 Apr 2022 01:05

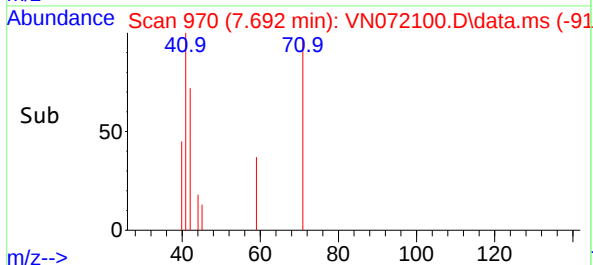
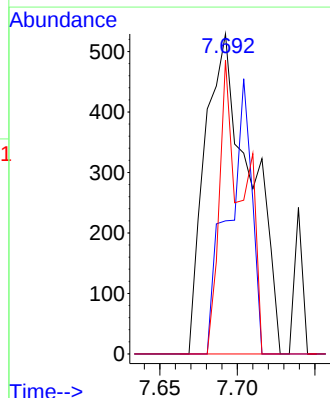
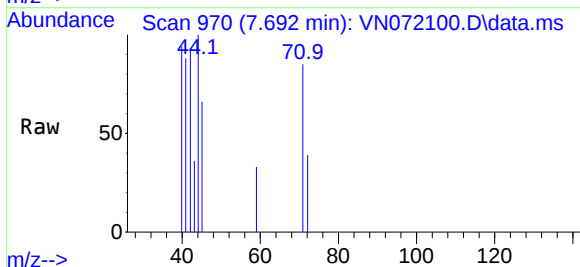
Tgt Ion: 42 Resp: 1076

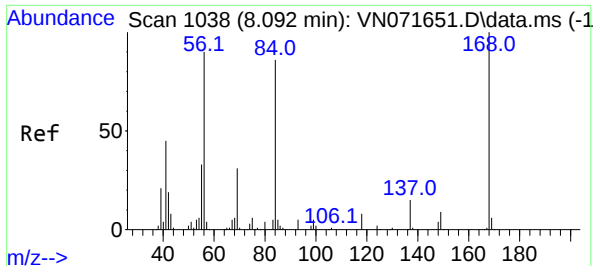
Ion Ratio Lower Upper

42 100

72 44.8 39.7 59.5

71 48.3 36.6 55.0





#31

Cyclohexane

Concen: 0.960 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072100.D

Acq: 21 Apr 2022 01:05

Instrument :

MSVOA\_N

ClientSampleId :

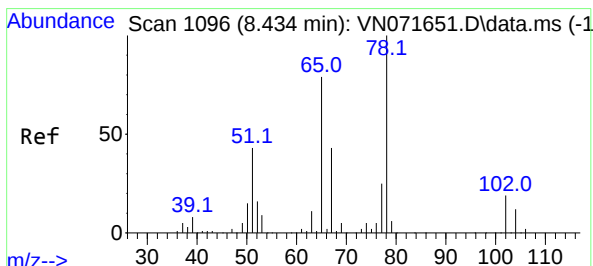
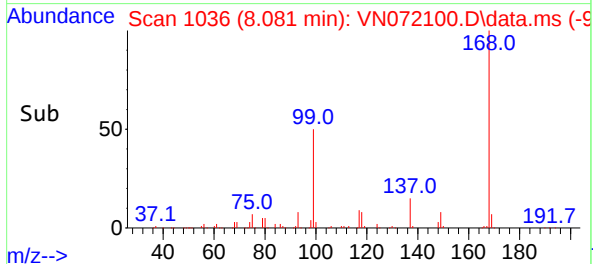
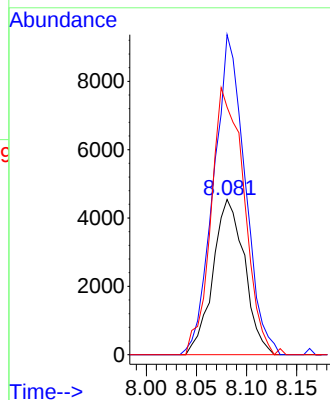
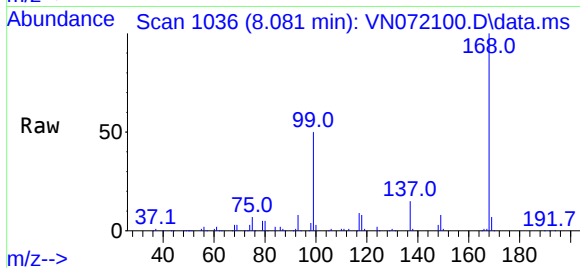
Tgt Ion: 56 Resp: 9969

Ion Ratio Lower Upper

56 100

69 206.2 27.8 41.8#

84 159.5 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 45.491 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072100.D

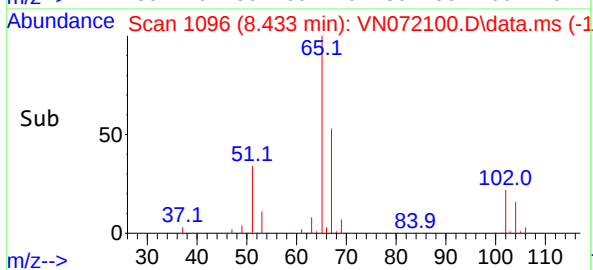
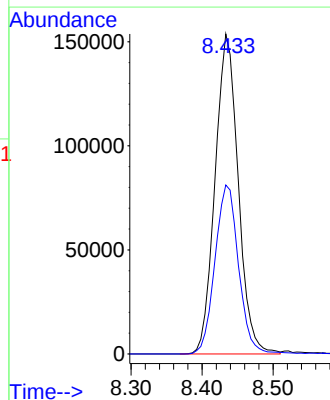
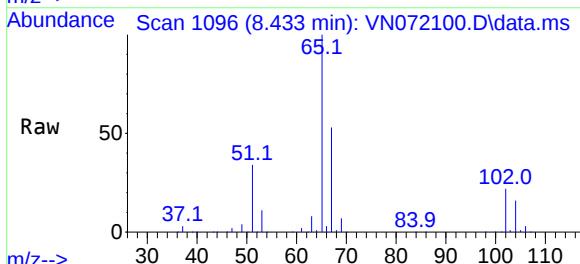
Acq: 21 Apr 2022 01:05

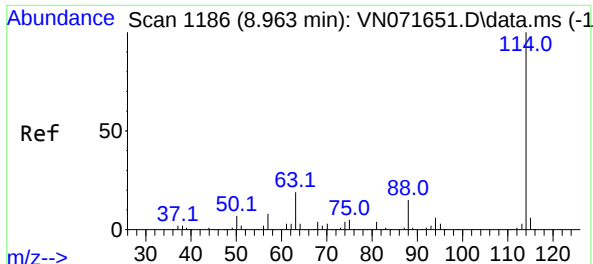
Tgt Ion: 65 Resp: 347349

Ion Ratio Lower Upper

65 100

67 53.9 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: VN072100.D

Acq: 21 Apr 2022 01:05

Instrument :

MSVOA\_N

ClientSampleId :

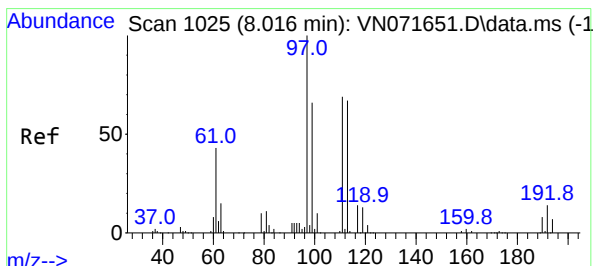
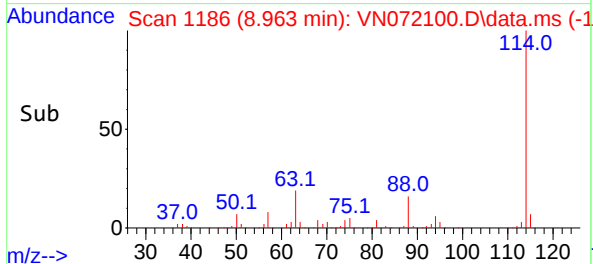
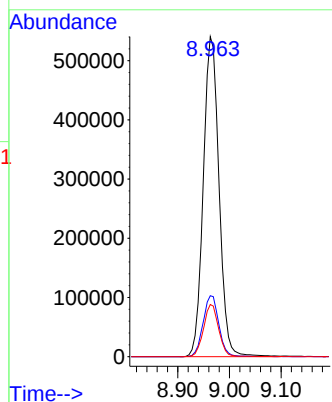
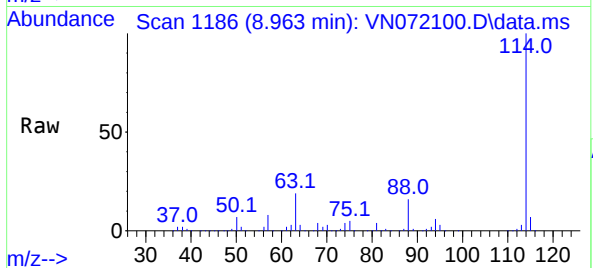
Tgt Ion:114 Resp: 1142877

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.800 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072100.D

Acq: 21 Apr 2022 01:05

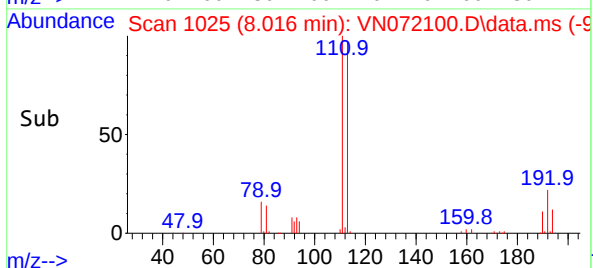
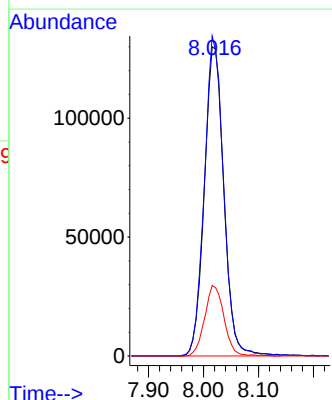
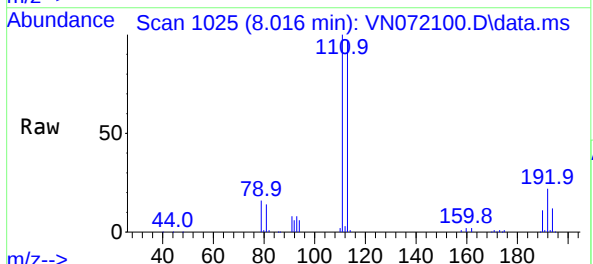
Tgt Ion:113 Resp: 321463

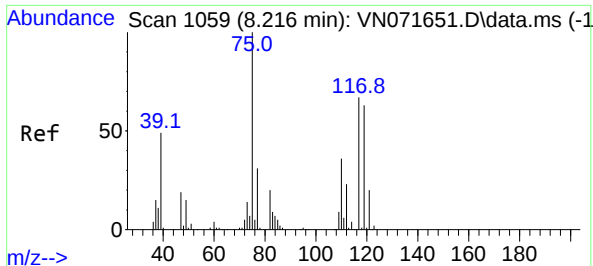
Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 22.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.637 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

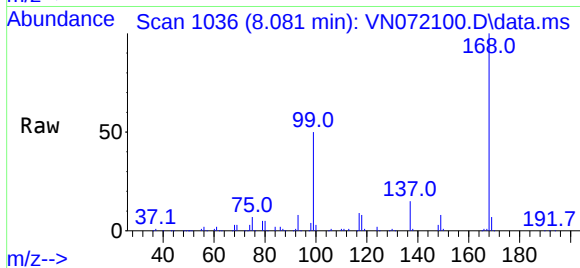
Lab File: VN072100.D

Acq: 21 Apr 2022 01:05

Instrument :

MSVOA\_N

ClientSampleId :



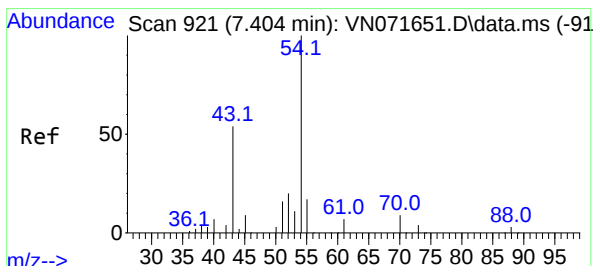
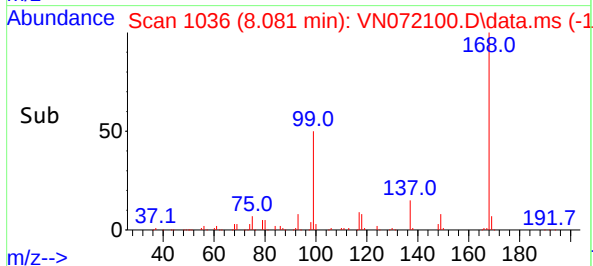
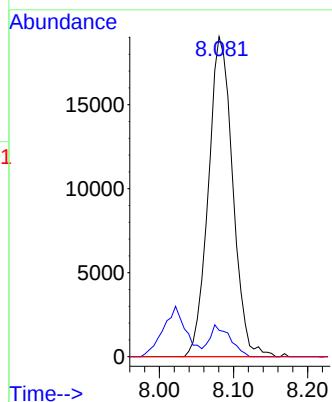
Tgt Ion: 75 Resp: 43547

Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 4.506 ug/l

RT: 7.416 min Scan# 923

Delta R.T. 0.012 min

Lab File: VN072100.D

Acq: 21 Apr 2022 01:05

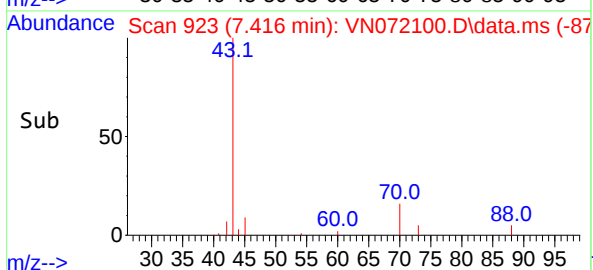
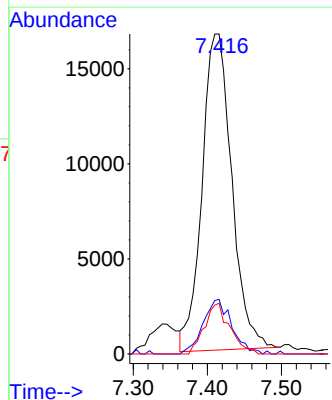
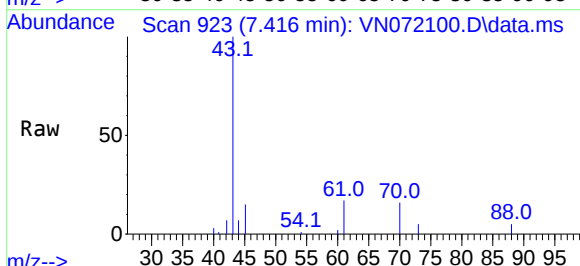
Tgt Ion: 43 Resp: 46319

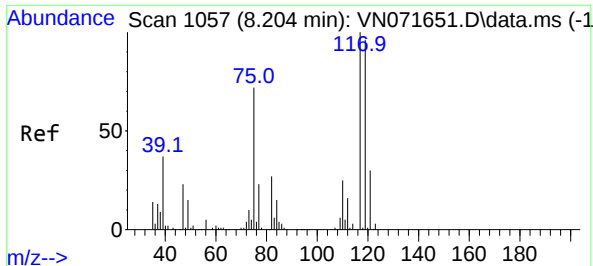
Ion Ratio Lower Upper

43 100

61 16.7 11.8 17.6

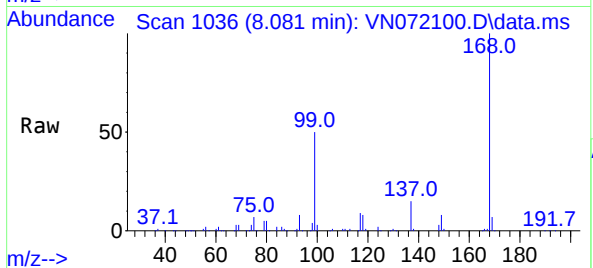
70 13.7 9.3 13.9



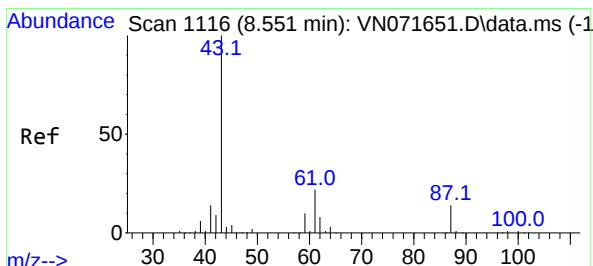
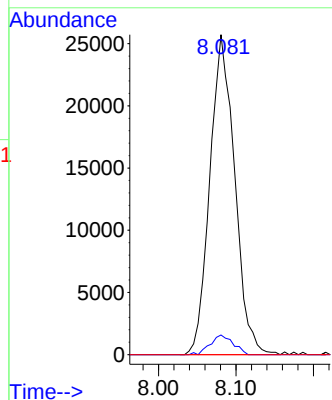
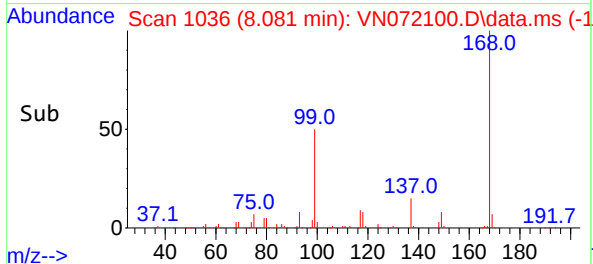


#38  
Carbon Tetrachloride  
Concen: 6.215 ug/l  
RT: 8.081 min Scan# 1103  
Delta R.T. -0.123 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

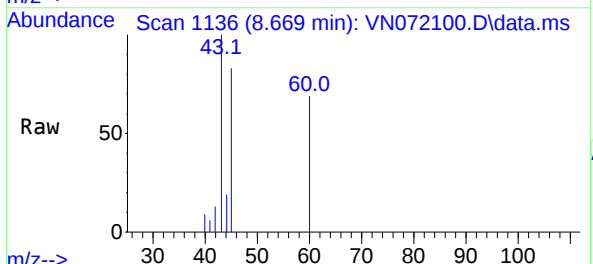
Instrument :  
MSVOA\_N  
ClientSampleId :



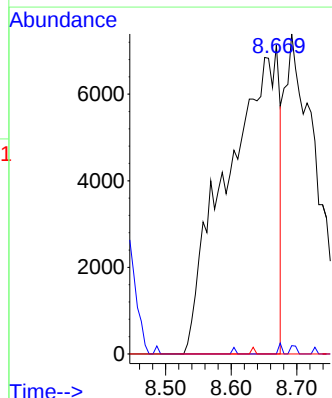
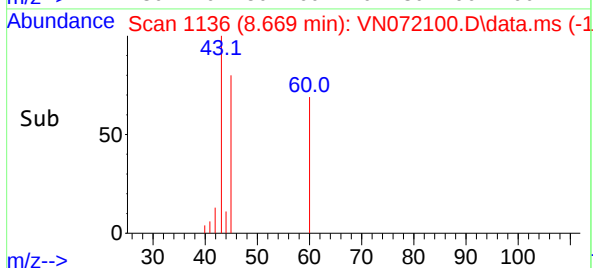
Tgt Ion:117 Resp: 57200  
Ion Ratio Lower Upper  
117 100  
119 6.2 75.8 113.8#  
121 0.0 24.6 37.0#

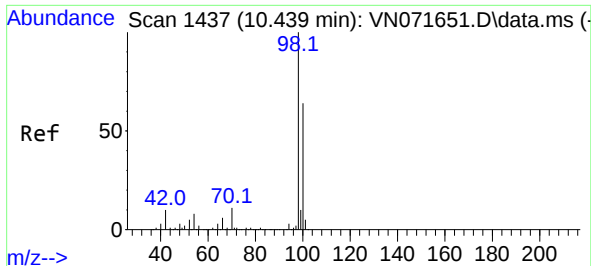


#43  
Isopropyl Acetate  
Concen: 2.261 ug/l  
RT: 8.669 min Scan# 1136  
Delta R.T. 0.118 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05



Tgt Ion: 43 Resp: 38655  
Ion Ratio Lower Upper  
43 100  
61 0.0 21.9 32.9#  
87 0.0 12.0 18.0#

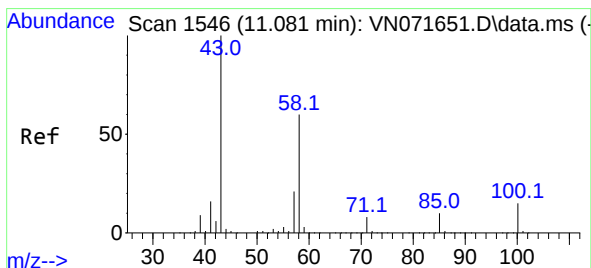
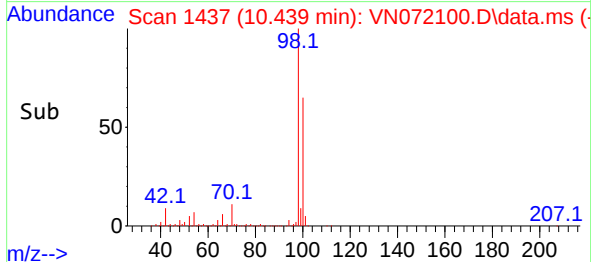
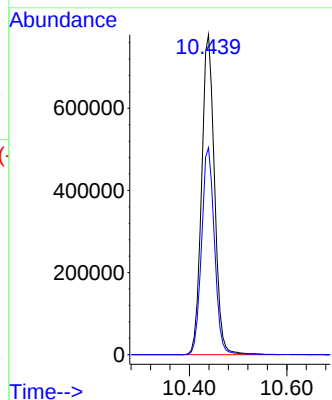
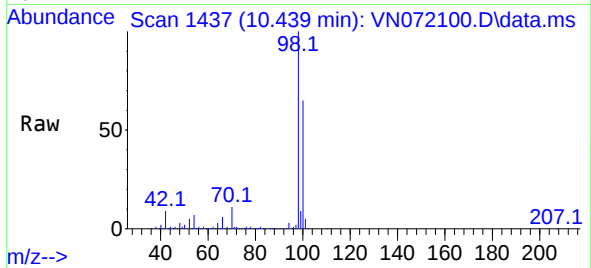




#50  
Toluene-d8  
Concen: 52.167 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

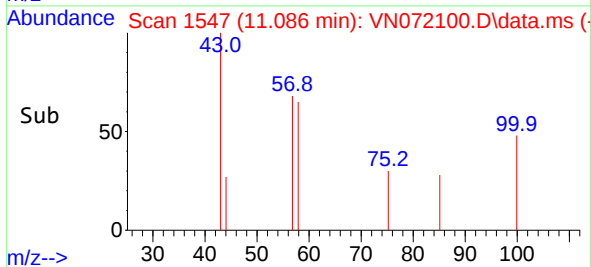
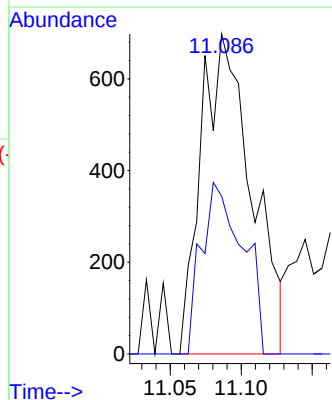
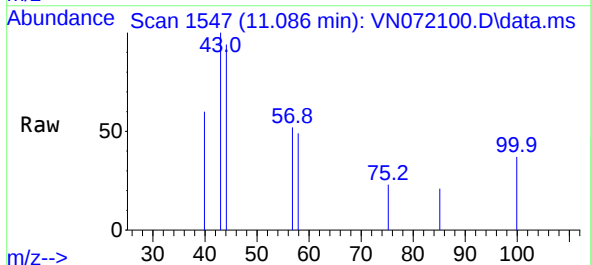
Instrument :  
MSVOA\_N  
ClientSampleId :

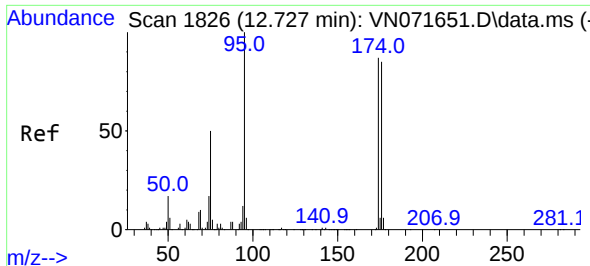
Tgt Ion: 98 Resp: 1435166  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.6 78.8



#59  
2-Hexanone  
Concen: 0.250 ug/l  
RT: 11.086 min Scan# 1547  
Delta R.T. 0.005 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

Tgt Ion: 43 Resp: 1733  
Ion Ratio Lower Upper  
43 100  
58 43.9 29.7 89.1

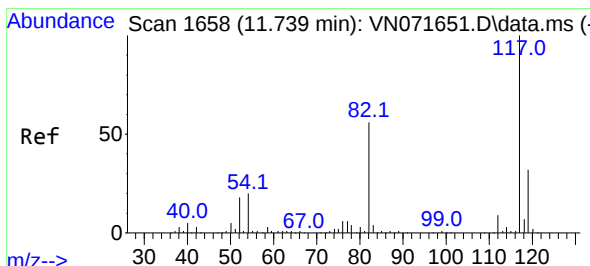
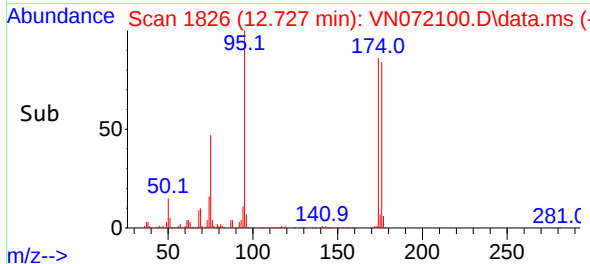
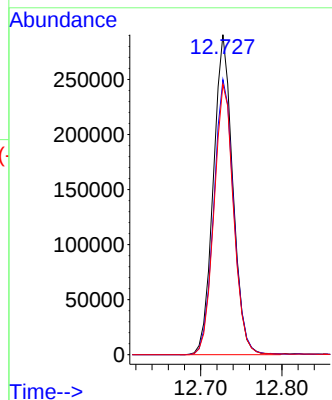
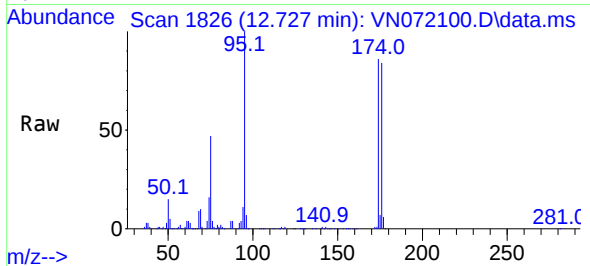




#62  
4-Bromofluorobenzene  
Concen: 54.361 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

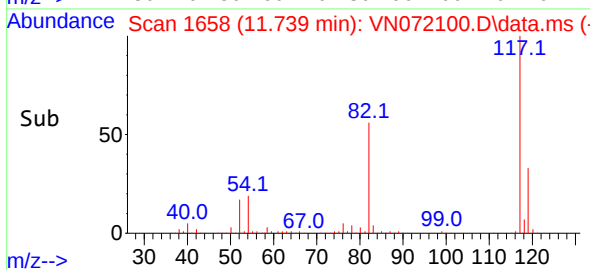
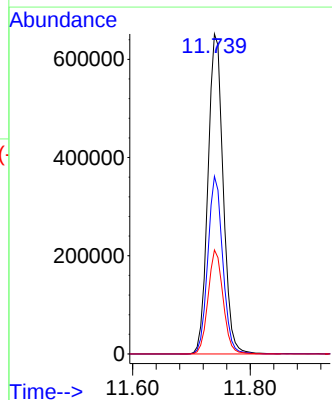
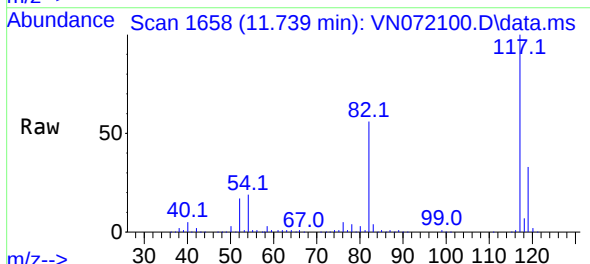
Instrument :  
MSVOA\_N  
ClientSampleId :

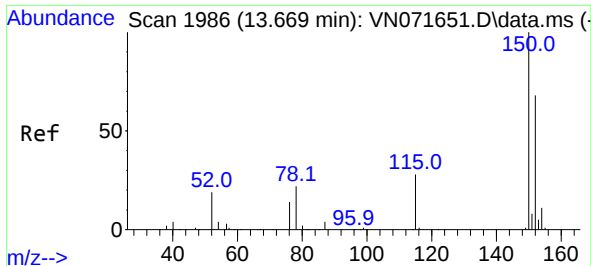
Tgt Ion: 95 Resp: 483677  
Ion Ratio Lower Upper  
95 100  
174 88.2 0.0 167.6  
176 85.2 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

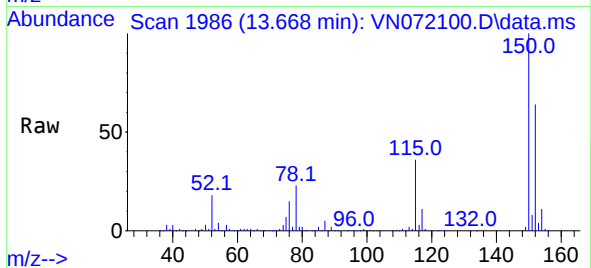
Tgt Ion: 117 Resp: 1174020  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.2 66.2  
119 32.5 25.4 38.0



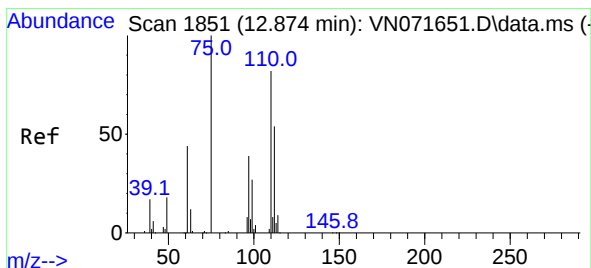
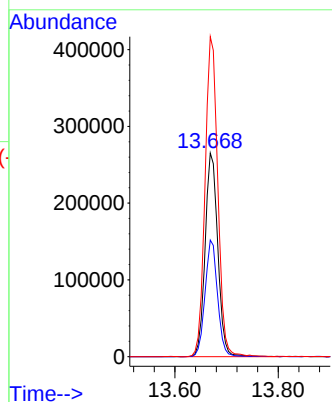
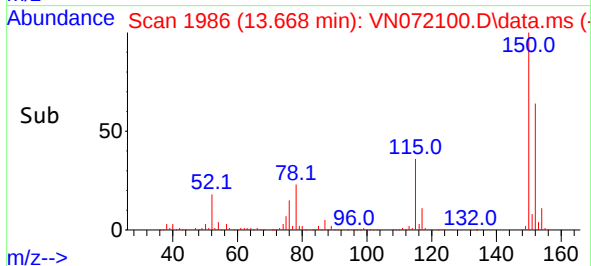


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.668 min Scan# 1986  
 Delta R.T. -0.001 min  
 Lab File: VN072100.D  
 Acq: 21 Apr 2022 01:05

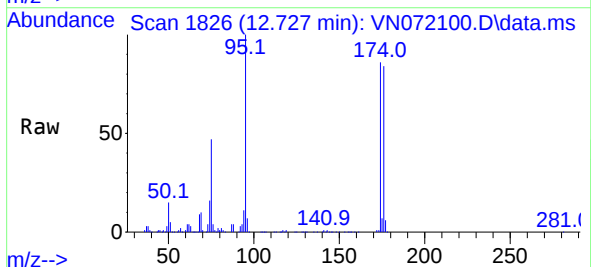
Instrument :  
 MSVOA\_N  
 ClientSampleId :



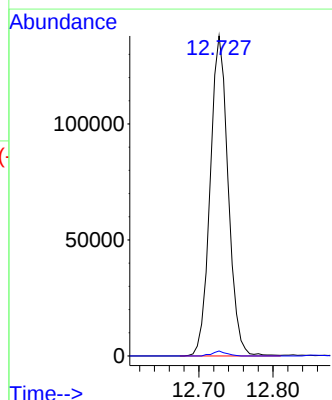
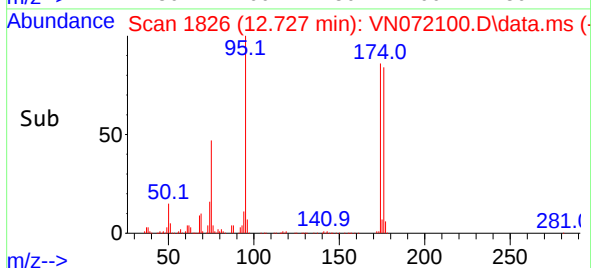
Tgt Ion:152 Resp: 452003  
 Ion Ratio Lower Upper  
 152 100  
 115 56.4 28.9 86.7  
 150 158.0 0.0 356.2

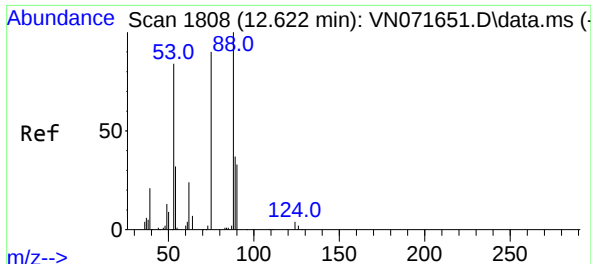


#76  
 1,2,3-Trichloropropane  
 Concen: 22.242 ug/l  
 RT: 12.727 min Scan# 1826  
 Delta R.T. -0.147 min  
 Lab File: VN072100.D  
 Acq: 21 Apr 2022 01:05



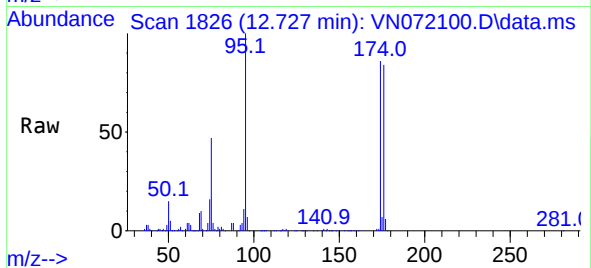
Tgt Ion: 75 Resp: 232892  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 98.5 295.5#



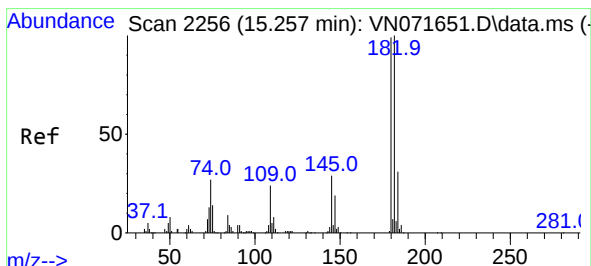
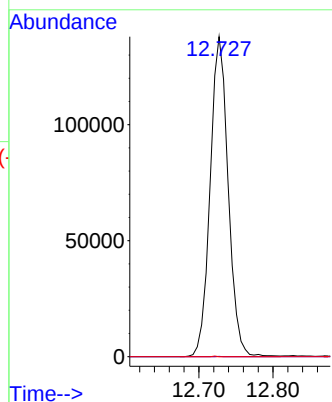
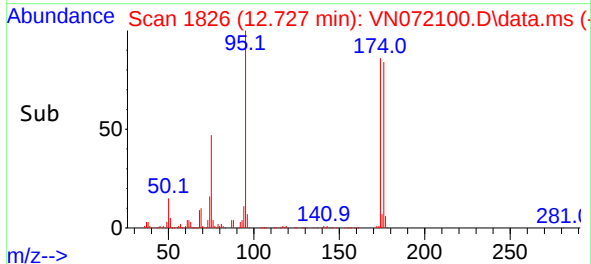


#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.926 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.105 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

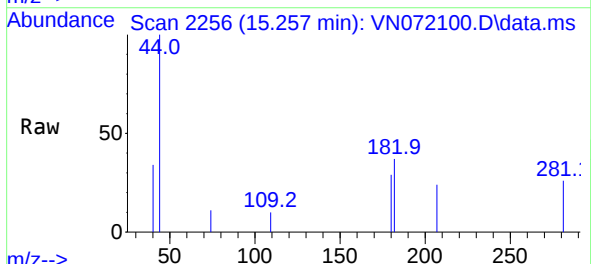
Instrument :  
MSVOA\_N  
ClientSampleId :



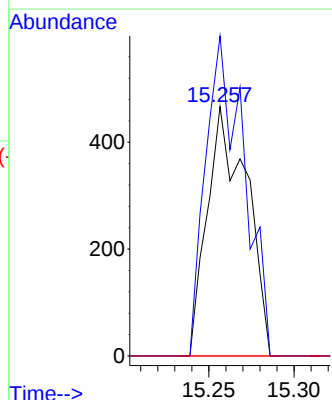
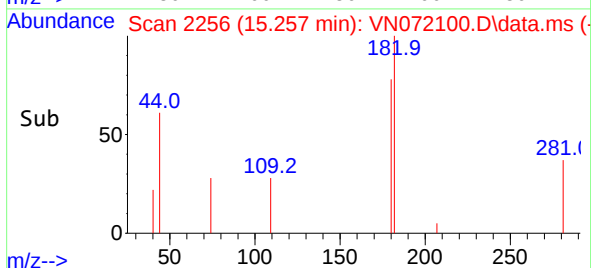
Tgt Ion: 75 Resp: 232892  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#

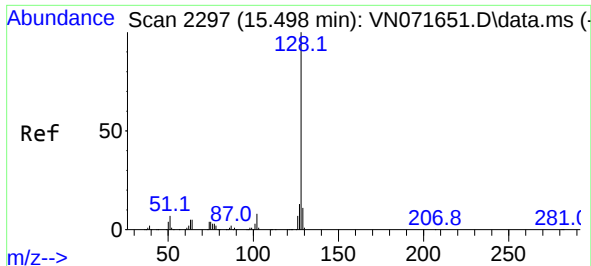


#93  
1,2,4-Trichlorobenzene  
Concen: 2.186 ug/l  
RT: 15.257 min Scan# 2256  
Delta R.T. -0.000 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05



Tgt Ion:180 Resp: 751  
Ion Ratio Lower Upper  
180 100  
182 124.1 47.5 142.5  
145 0.0 14.5 43.5#

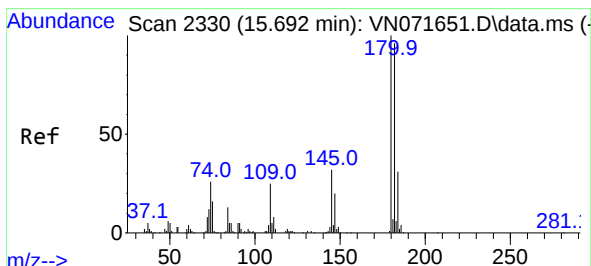
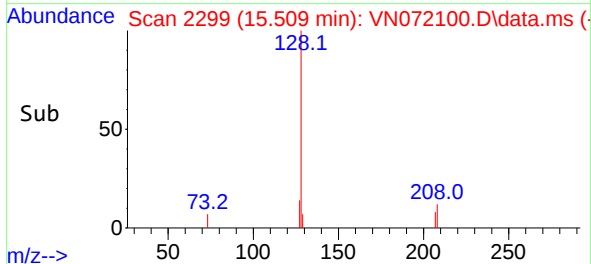
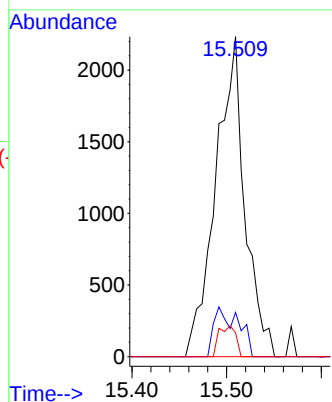
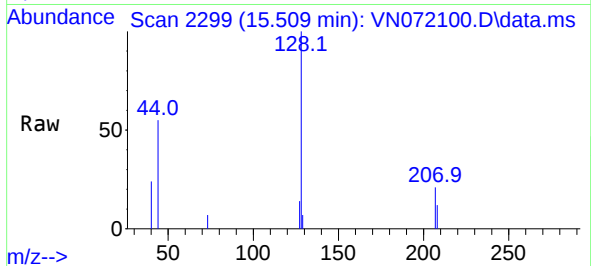




#95  
Naphthalene  
Concen: 4.017 ug/l  
RT: 15.509 min Scan# 21  
Delta R.T. 0.011 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

Instrument :  
MSVOA\_N  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 4769  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 7.7   | 10.3  | 15.5# |
| 129      | 5.6   | 8.6   | 13.0# |



#96  
1,2,3-Trichlorobenzene  
Concen: 2.538 ug/l  
RT: 15.686 min Scan# 2329  
Delta R.T. -0.006 min  
Lab File: VN072100.D  
Acq: 21 Apr 2022 01:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 906   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 89.2  | 47.8  | 143.3 |
| 145      | 16.4  | 15.5  | 46.5  |

