

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062122\  
 Data File : VN072971.D  
 Acq On : 21 Jun 2022 09:55  
 Operator : JC\MD  
 Sample : VN0621MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0621MBL01

Quant Time: Jun 22 06:58:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061722W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 18 06:22:45 2022  
 Response via : Initial Calibration

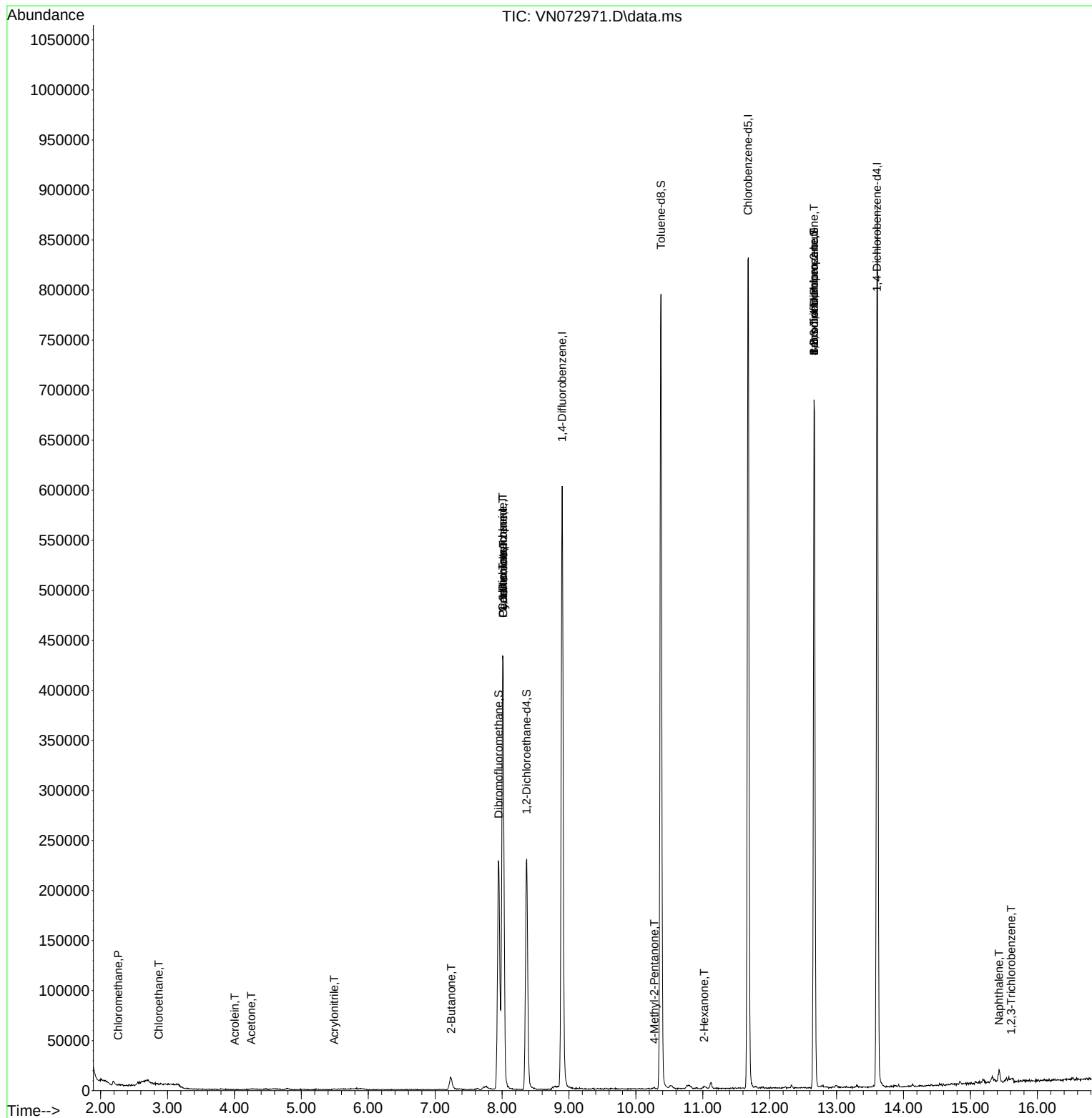
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.016          | 168  | 337773     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.898          | 114  | 538073     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.674         | 117  | 491982     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.604         | 152  | 240664     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.369          | 65   | 195439     | 42.797    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 85.600%   |        |          |
| 35) Dibromofluoromethane      | 7.951          | 113  | 172106     | 51.749    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 103.500%  |        |          |
| 50) Toluene-d8                | 10.375         | 98   | 550808     | 44.509    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 89.020%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.663         | 95   | 243843     | 54.796    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 109.600%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           | Qvalue |          |
| 3) Chloromethane              | 2.263          | 50   | 590        | 0.738     | ug/l # | 43       |
| 6) Chloroethane               | 2.869          | 64   | 448        | 0.248     | ug/l   | 94       |
| 13) Acrolein                  | 4.004          | 56   | 113        | 0.243     | ug/l # | 16       |
| 15) Acrylonitrile             | 5.493          | 53   | 653        | 0.240     | ug/l # | 50       |
| 16) Acetone                   | 4.251          | 43   | 1402       | 0.559     | ug/l # | 42       |
| 20) Methylene Chloride        | 4.998          | 84   | 69         | Below Cal | #      | 10       |
| 25) 2-Butanone                | 7.239          | 43   | 951        | 0.239     | ug/l # | 45       |
| 26) 2,2-Dichloropropane       | 7.245          | 77   | 1035       | Below Cal | #      | 53       |
| 31) Cyclohexane               | 8.016          | 56   | 7513       | 1.216     | ug/l # | 18       |
| 36) 1,1-Dichloropropene       | 8.010          | 75   | 27271      | 6.060     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.010          | 117  | 34320      | 7.250     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.275         | 43   | 1523       | 0.227     | ug/l # | 33       |
| 59) 2-Hexanone                | 11.022         | 43   | 2543       | 0.490     | ug/l   | 86       |
| 71) Bromoform                 | 12.663         | 173  | 1569       | 0.569     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.663         | 75   | 127050     | 21.774    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.663         | 75   | 127050     | 58.804    | ug/l # | 10       |
| 95) Naphthalene               | 15.427         | 128  | 11408      | 0.614     | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.610         | 180  | 2222       | 0.453     | ug/l   | 80       |
| -----                         |                |      |            |           |        |          |

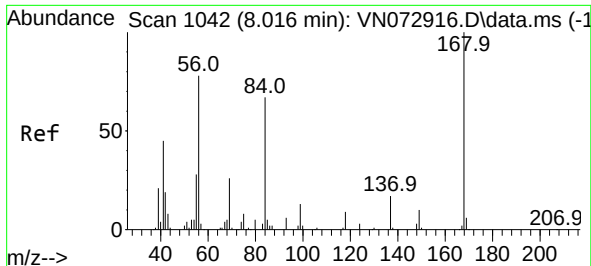
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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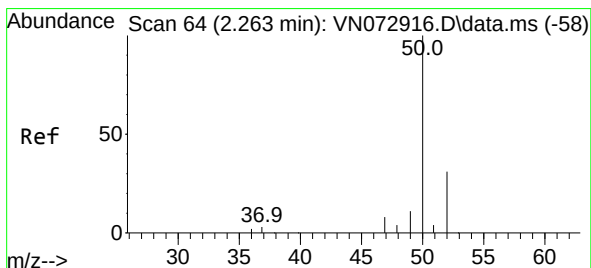
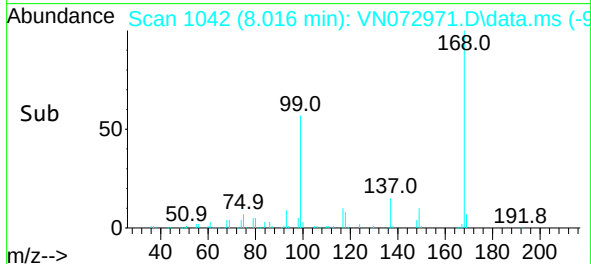
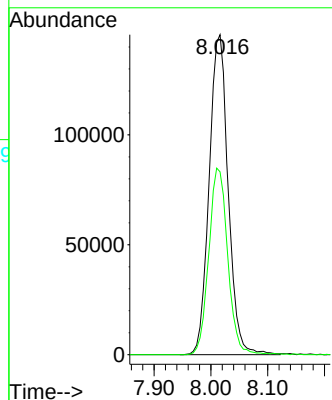
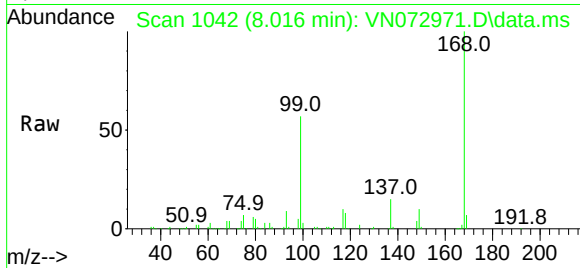




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

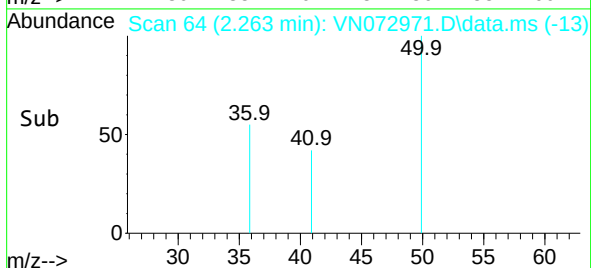
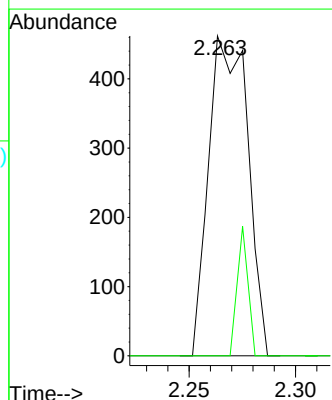
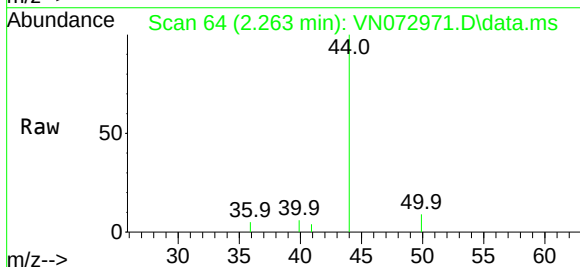
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0621MBL01

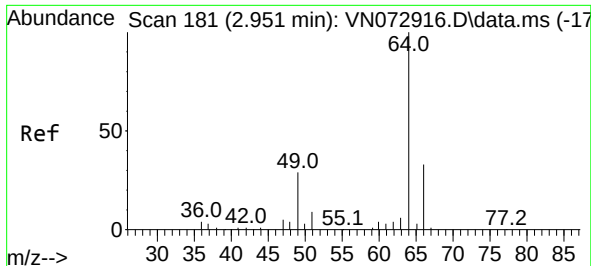
Tgt Ion:168 Resp: 337773  
Ion Ratio Lower Upper  
168 100  
99 57.1 42.3 63.5



#3  
Chloromethane  
Concen: 0.738 ug/l  
RT: 2.263 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

Tgt Ion: 50 Resp: 590  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5#

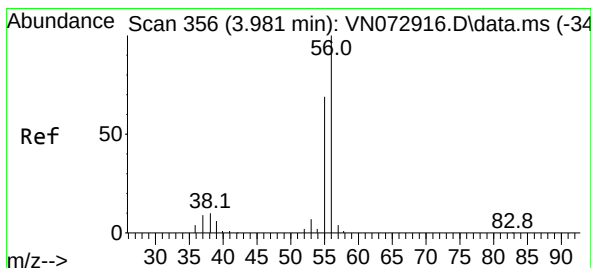
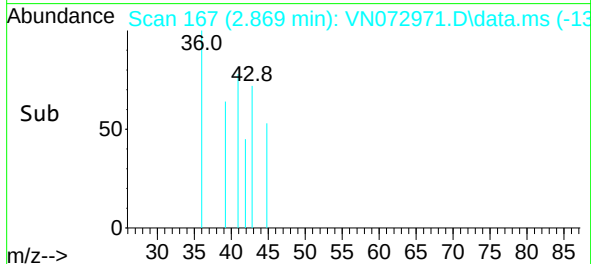
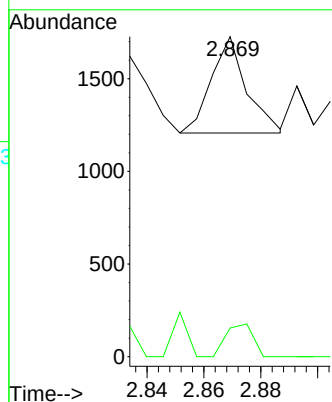
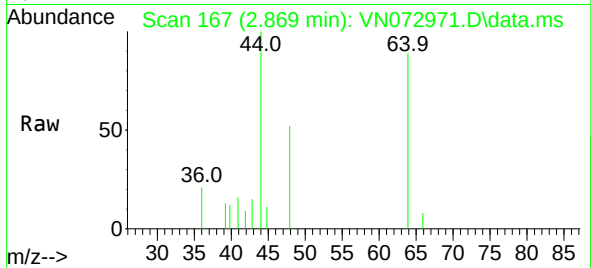




#6  
Chloroethane  
Concen: 0.248 ug/l  
RT: 2.869 min Scan# 11  
Delta R.T. -0.082 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

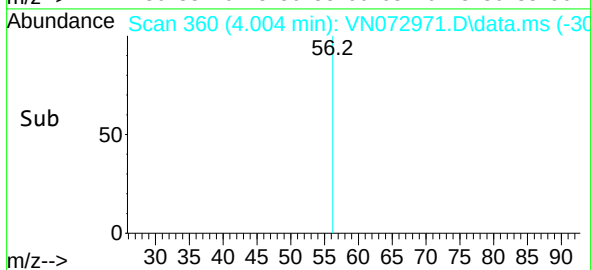
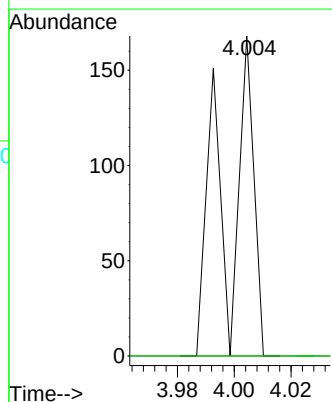
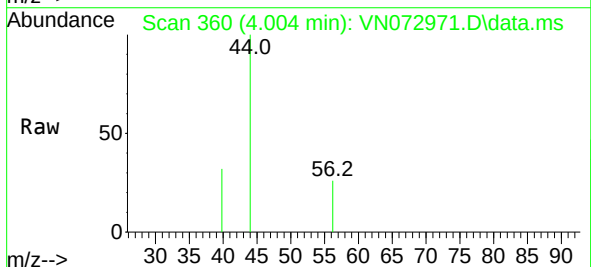
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0621MBL01

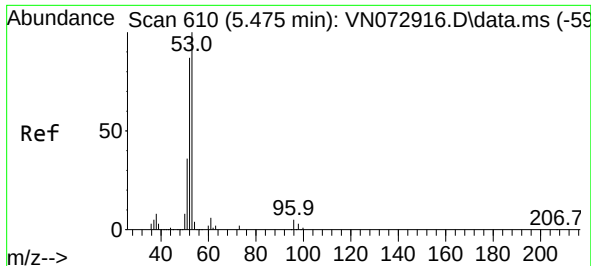
Tgt Ion: 64 Resp: 448  
Ion Ratio Lower Upper  
64 100  
66 29.6 26.2 39.4



#13  
Acrolein  
Concen: 0.243 ug/l  
RT: 4.004 min Scan# 360  
Delta R.T. 0.024 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

Tgt Ion: 56 Resp: 113  
Ion Ratio Lower Upper  
56 100  
55 0.0 54.8 82.2#

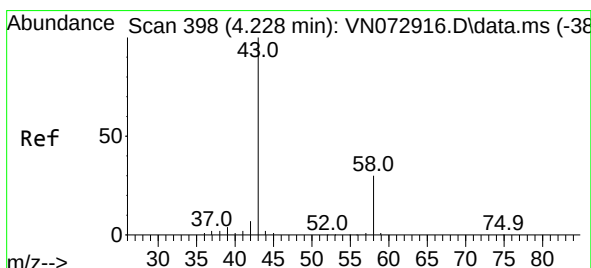
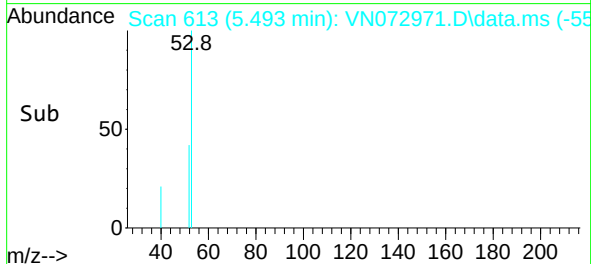
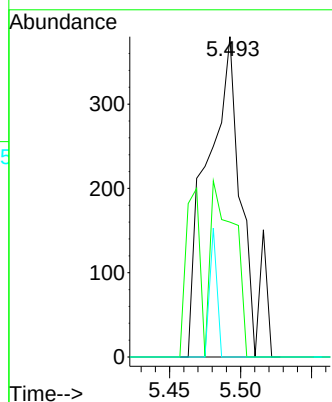
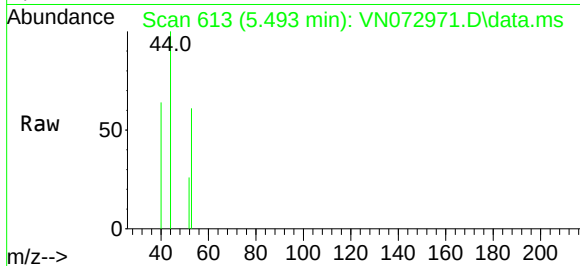




#15  
Acrylonitrile  
Concen: 0.240 ug/l  
RT: 5.493 min Scan# 610  
Delta R.T. 0.018 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

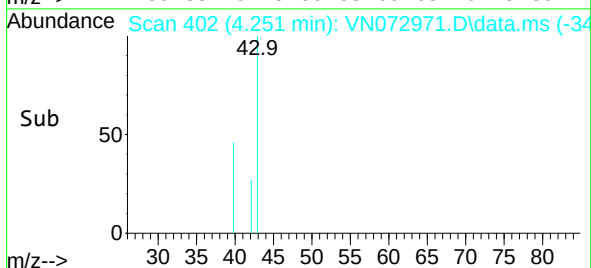
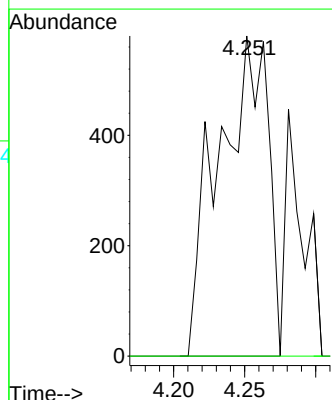
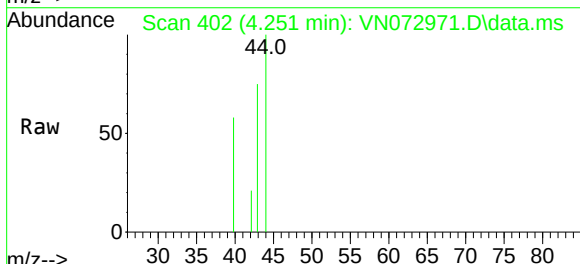
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0621MBL01

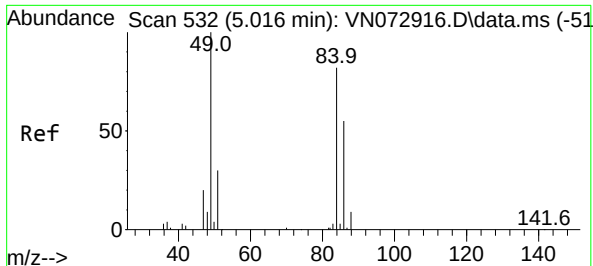
Tgt Ion: 53 Resp: 653  
Ion Ratio Lower Upper  
53 100  
52 37.2 66.4 99.6#  
51 8.3 28.5 42.7#



#16  
Acetone  
Concen: 0.559 ug/l  
RT: 4.251 min Scan# 402  
Delta R.T. 0.024 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

Tgt Ion: 43 Resp: 1402  
Ion Ratio Lower Upper  
43 100  
58 0.0 26.0 39.0#

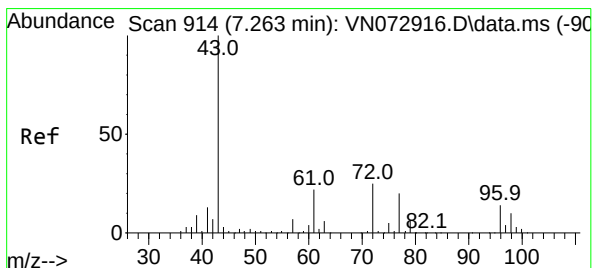
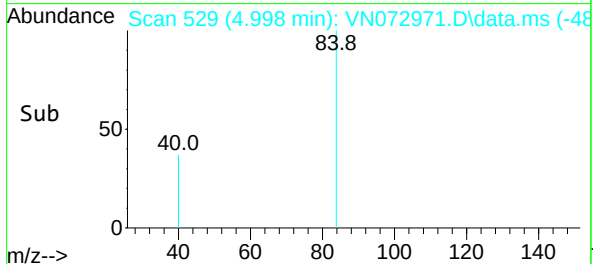
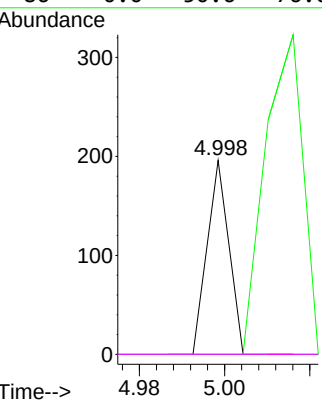
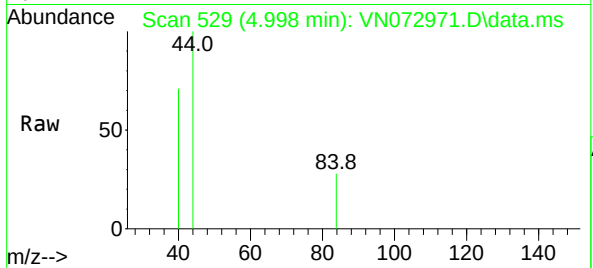




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.998 min Scan# 51  
Delta R.T. -0.018 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

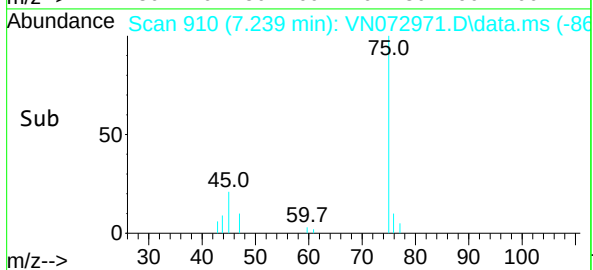
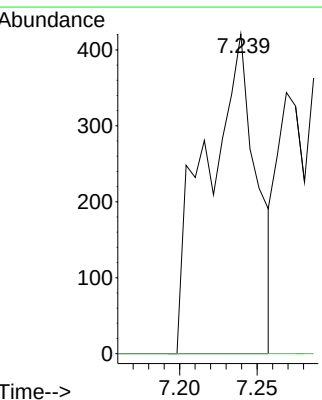
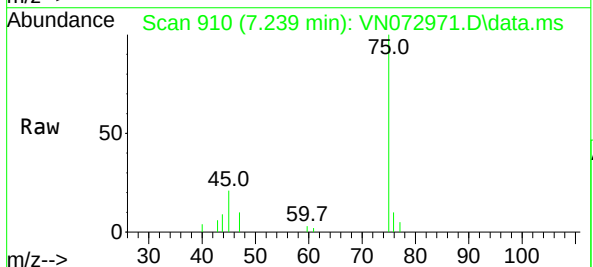
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ClientSampleId :  
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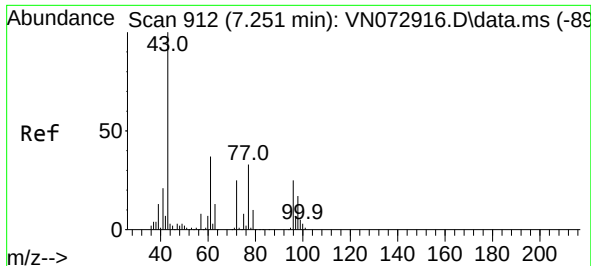
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 69     |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 0.0   | 88.3  | 132.5# |
| 51       | 0.0   | 28.2  | 42.2#  |
| 86       | 0.0   | 50.6  | 76.0#  |



#25  
2-Butanone  
Concen: 0.239 ug/l  
RT: 7.239 min Scan# 910  
Delta R.T. -0.023 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 951   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 23.7  | 35.5# |

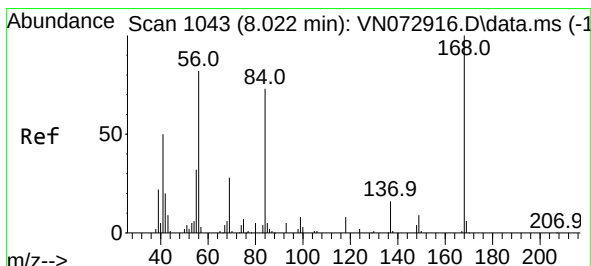
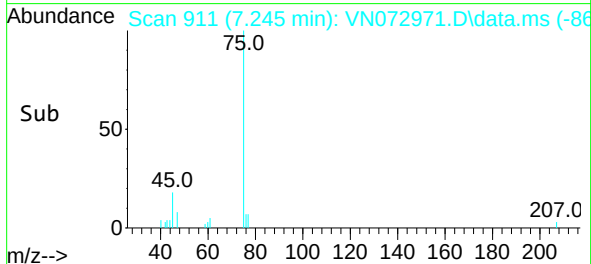
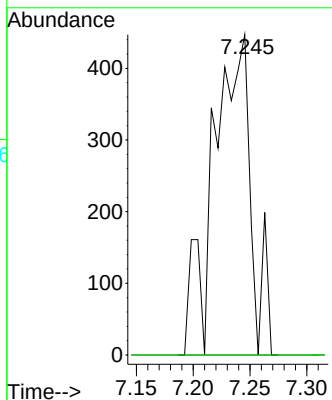
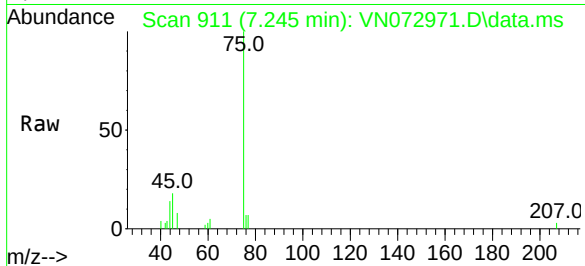




#26  
2,2-Dichloropropane  
Concen: Below Cal  
RT: 7.245 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

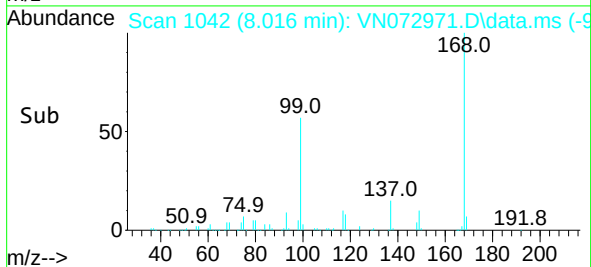
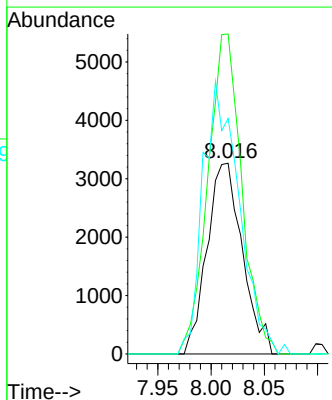
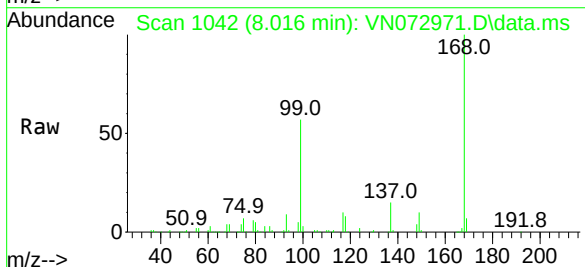
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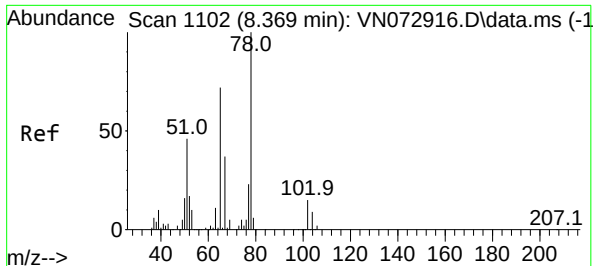
Tgt Ion: 77 Resp: 1035  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.4 34.2#



#31  
Cyclohexane  
Concen: 1.216 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

Tgt Ion: 56 Resp: 7513  
Ion Ratio Lower Upper  
56 100  
69 167.8 27.8 41.8#  
84 123.5 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 42.797 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN072971.D

Acq: 21 Jun 2022 09:55

Instrument :

MSVOA\_N

ClientSampleId :

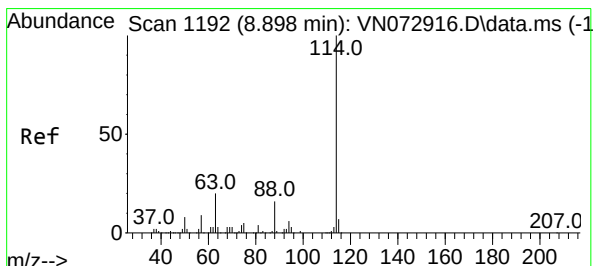
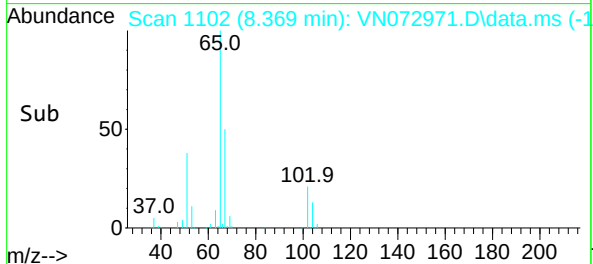
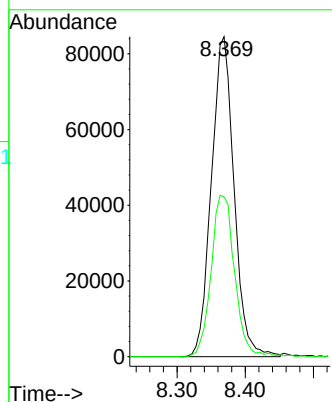
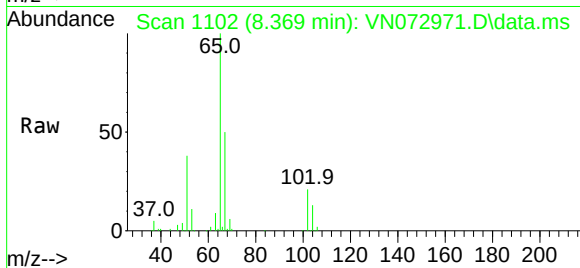
VN0621MBL01

Tgt Ion: 65 Resp: 195439

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN072971.D

Acq: 21 Jun 2022 09:55

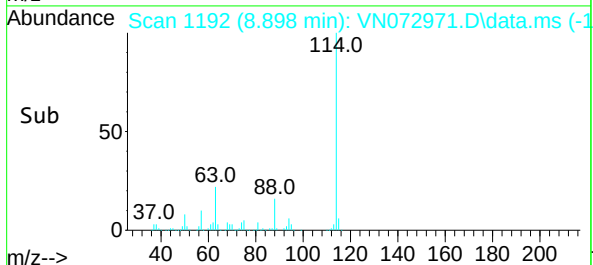
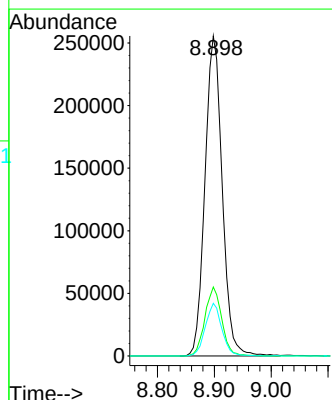
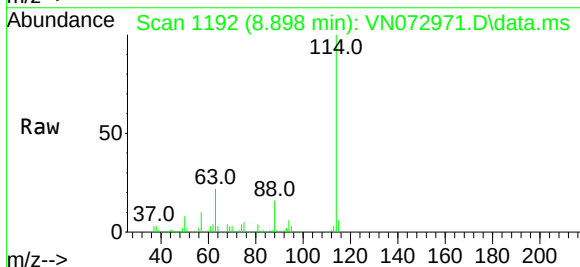
Tgt Ion: 114 Resp: 538073

Ion Ratio Lower Upper

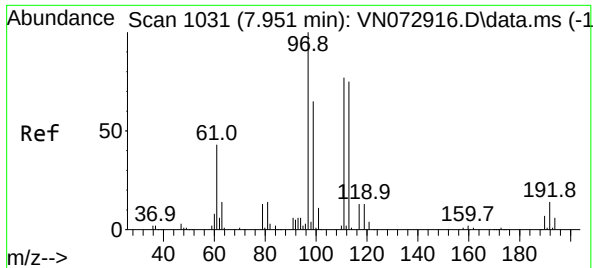
114 100

63 21.5 0.0 40.0

88 16.4 0.0 32.6



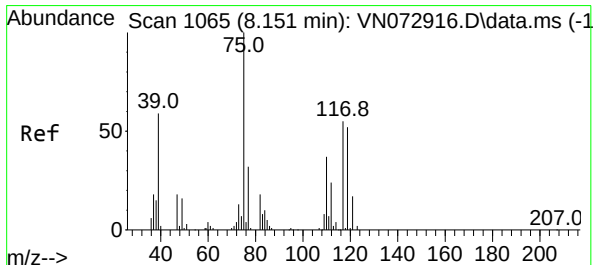
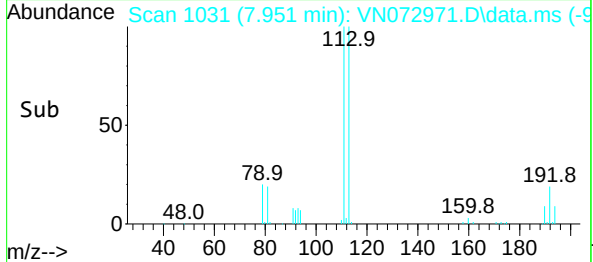
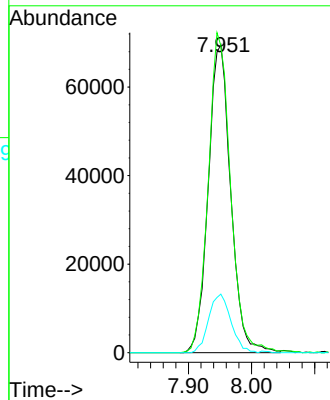
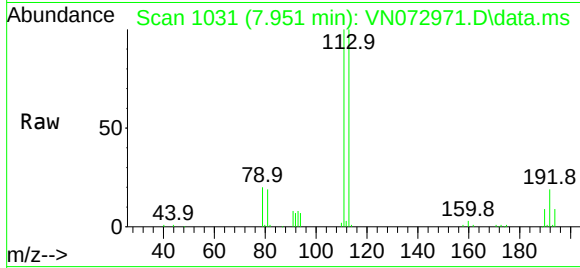




#35  
Dibromofluoromethane  
Concen: 51.749 ug/l  
RT: 7.951 min Scan# 1041  
Delta R.T. 0.000 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

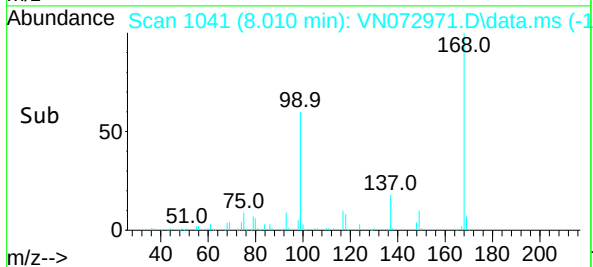
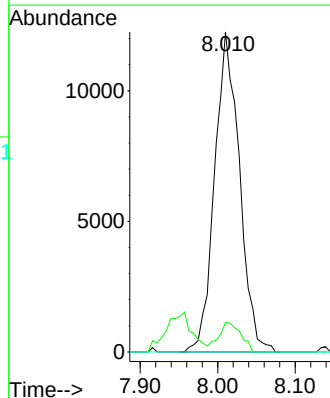
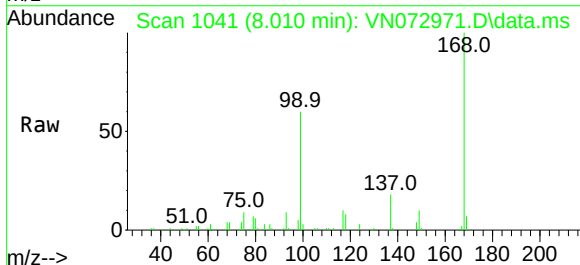
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0621MBL01

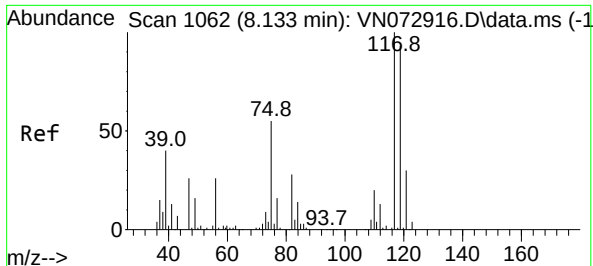
Tgt Ion:113 Resp: 172106  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.4 122.0  
192 18.8 17.0 25.6



#36  
1,1-Dichloropropene  
Concen: 6.060 ug/l  
RT: 8.010 min Scan# 1041  
Delta R.T. -0.141 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

Tgt Ion: 75 Resp: 27271  
Ion Ratio Lower Upper  
75 100  
110 8.3 18.3 54.8#  
77 0.0 25.1 37.7#

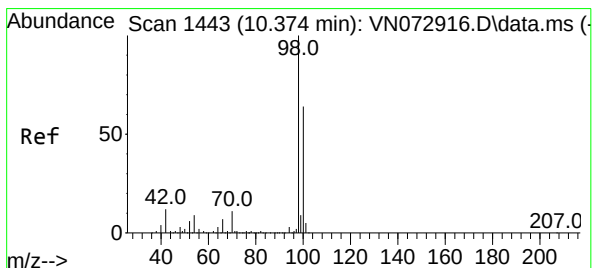
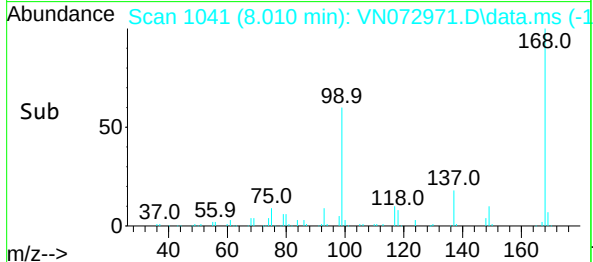
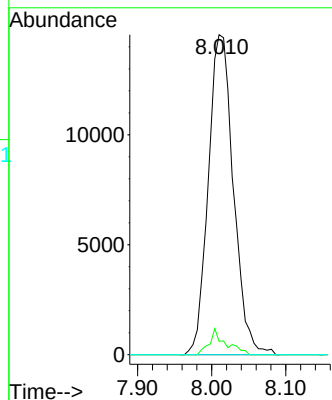
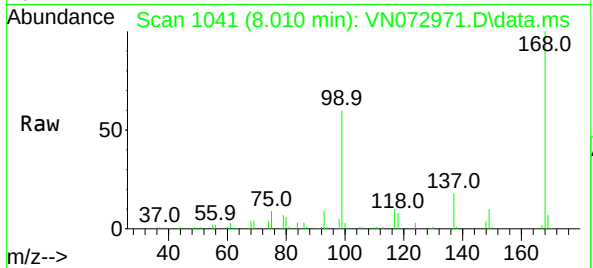




#38  
Carbon Tetrachloride  
Concen: 7.250 ug/l  
RT: 8.010 min Scan# 1062  
Delta R.T. -0.123 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

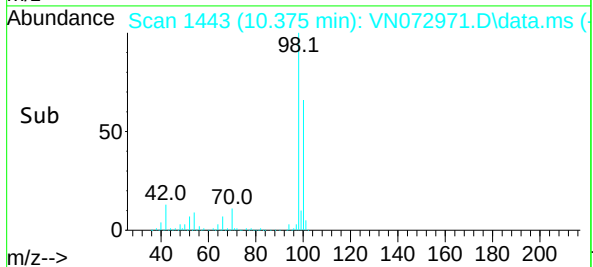
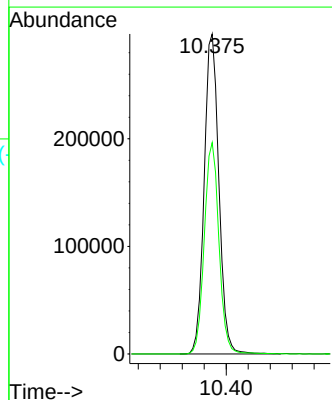
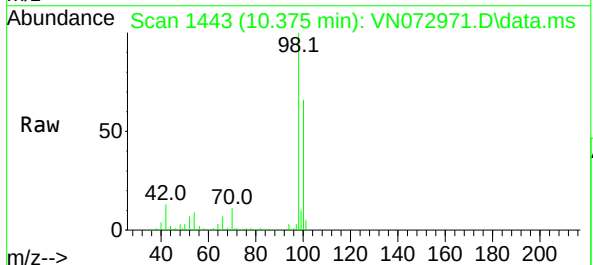
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0621MBL01

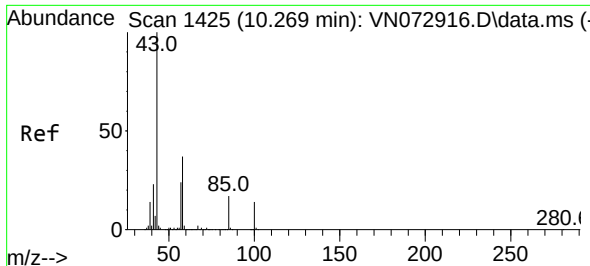
Tgt Ion:117 Resp: 34320  
Ion Ratio Lower Upper  
117 100  
119 4.2 75.8 113.8#  
121 0.0 24.6 37.0#



#50  
Toluene-d8  
Concen: 44.509 ug/l  
RT: 10.375 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

Tgt Ion: 98 Resp: 550808  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.6 78.8

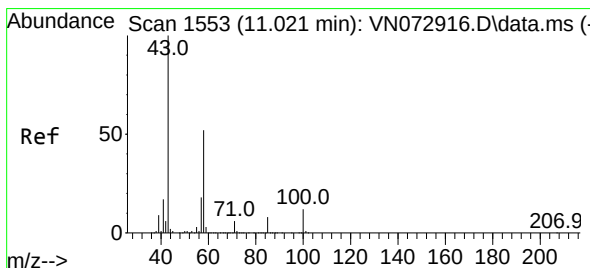
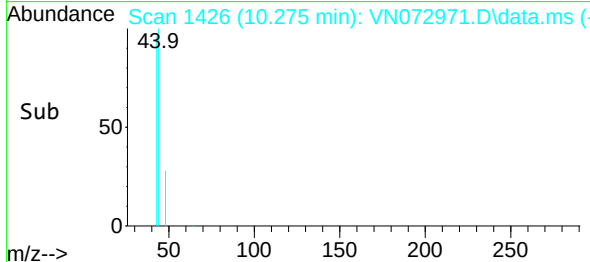
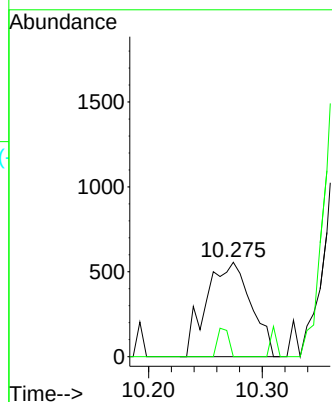
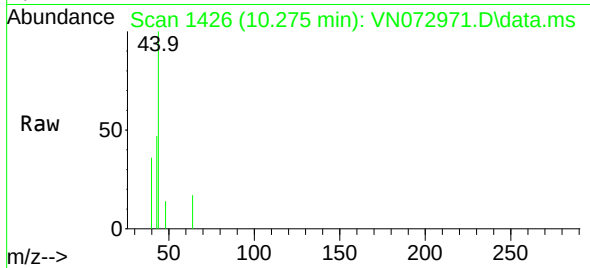




#51  
4-Methyl-2-Pentanone  
Concen: 0.227 ug/l  
RT: 10.275 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

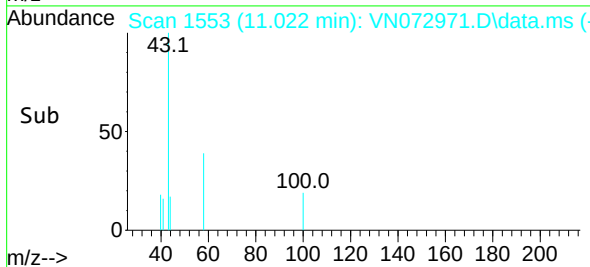
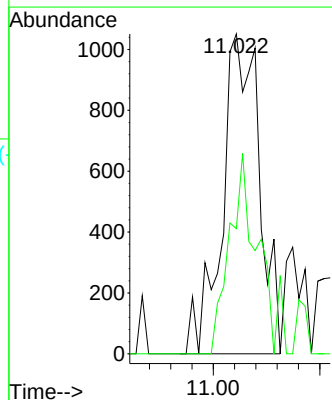
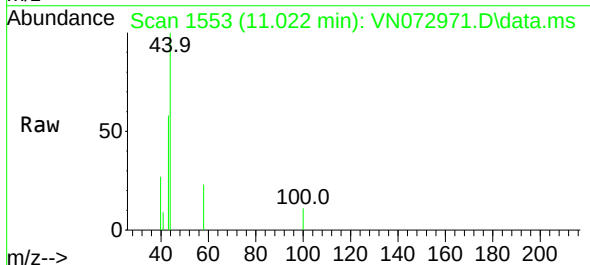
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0621MBL01

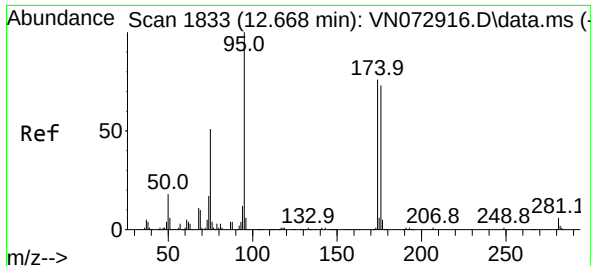
Tgt Ion: 43 Resp: 1523  
Ion Ratio Lower Upper  
43 100  
58 0.0 34.1 51.1#



#59  
2-Hexanone  
Concen: 0.490 ug/l  
RT: 11.022 min Scan# 1553  
Delta R.T. 0.000 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

Tgt Ion: 43 Resp: 2543  
Ion Ratio Lower Upper  
43 100  
58 48.8 29.7 89.1

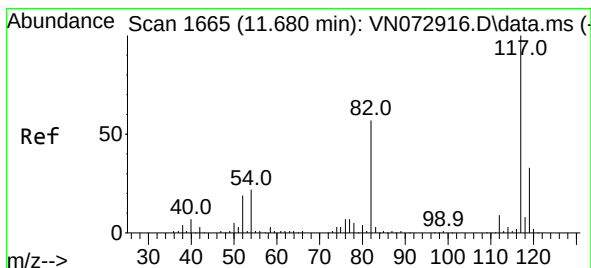
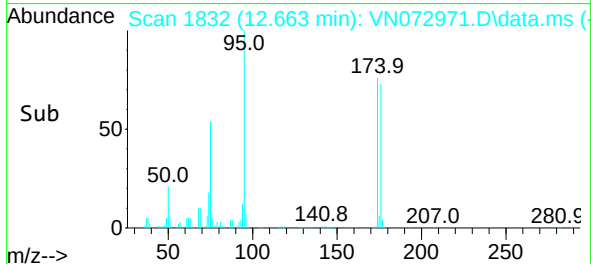
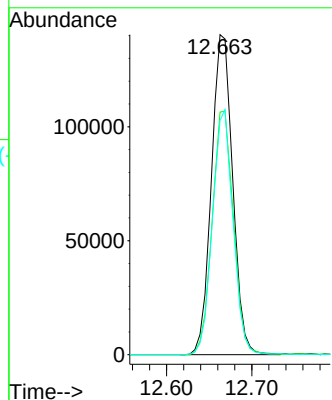
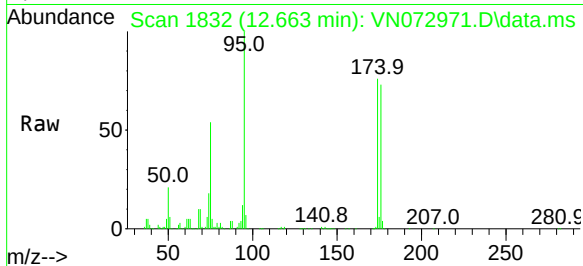




#62  
4-Bromofluorobenzene  
Concen: 54.796 ug/l  
RT: 12.663 min Scan# 1832  
Delta R.T. -0.006 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

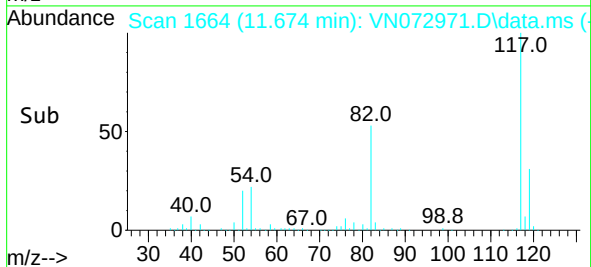
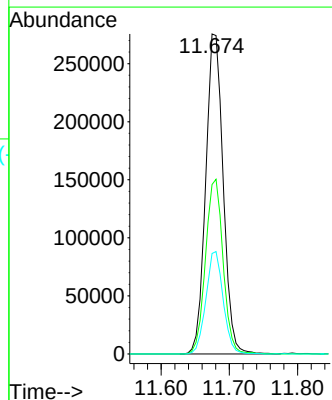
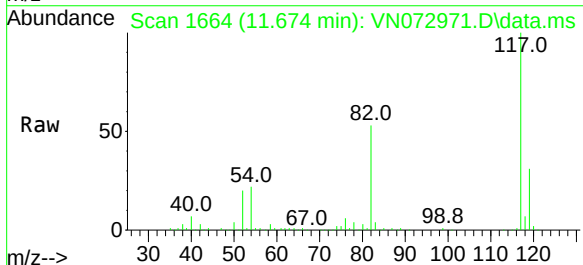
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0621MBL01

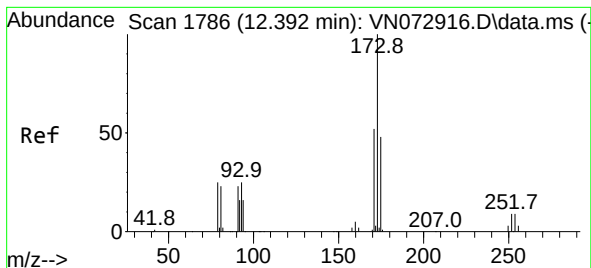
Tgt Ion: 95 Resp: 243843  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 167.6  
176 74.1 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.674 min Scan# 1664  
Delta R.T. -0.006 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

Tgt Ion: 117 Resp: 491982  
Ion Ratio Lower Upper  
117 100  
82 52.9 44.2 66.2  
119 31.4 25.4 38.0





#71

Bromoform

Concen: 0.569 ug/l

RT: 12.663 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN072971.D

Acq: 21 Jun 2022 09:55

Instrument :

MSVOA\_N

ClientSampleId :

VN0621MBL01

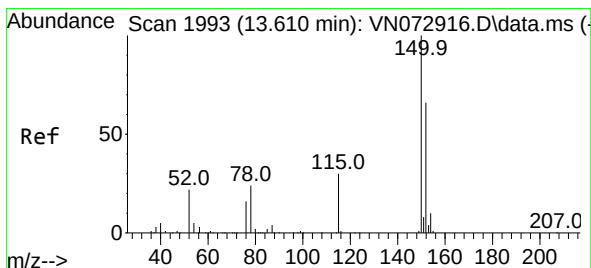
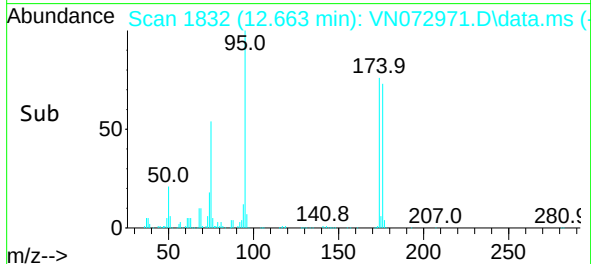
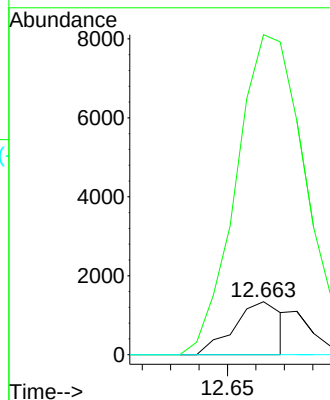
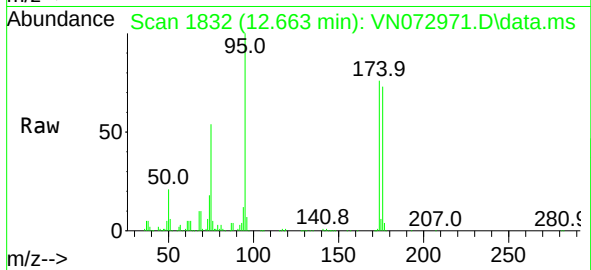
Tgt Ion:173 Resp: 1569

Ion Ratio Lower Upper

173 100

175 620.8 24.6 73.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.604 min Scan# 1992

Delta R.T. -0.006 min

Lab File: VN072971.D

Acq: 21 Jun 2022 09:55

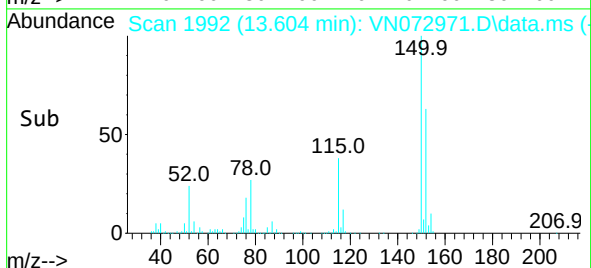
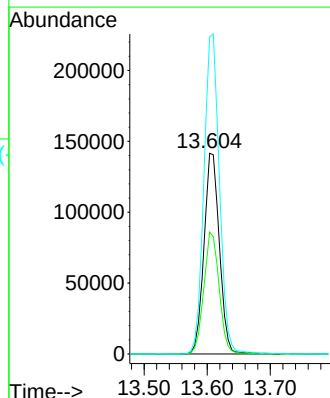
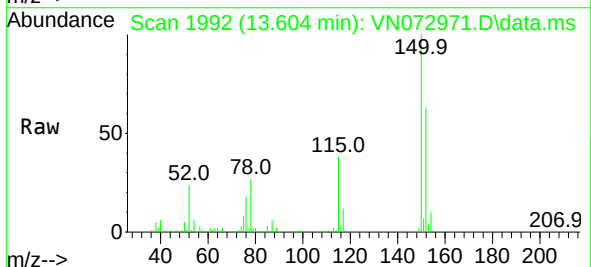
Tgt Ion:152 Resp: 240664

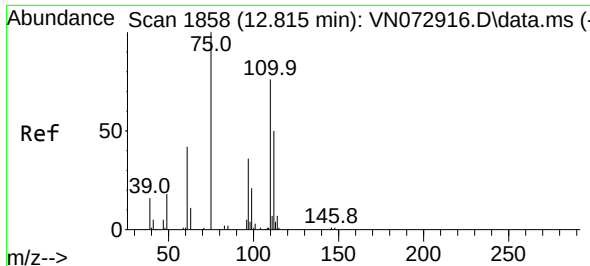
Ion Ratio Lower Upper

152 100

115 60.3 28.9 86.7

150 160.9 0.0 356.2

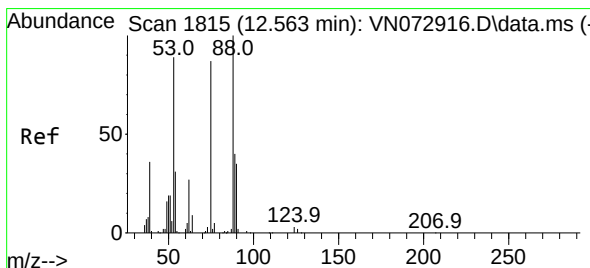
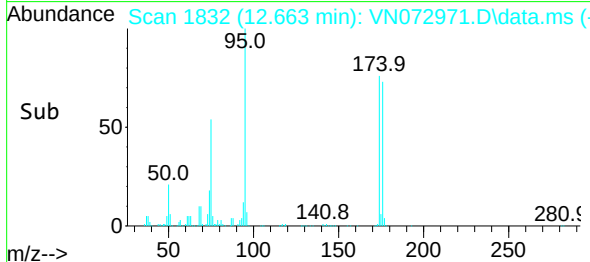
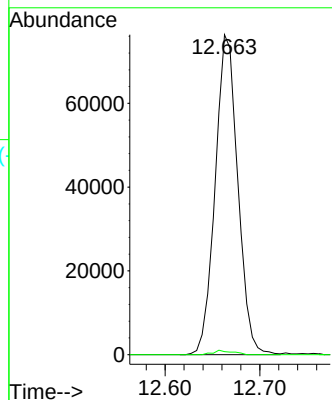
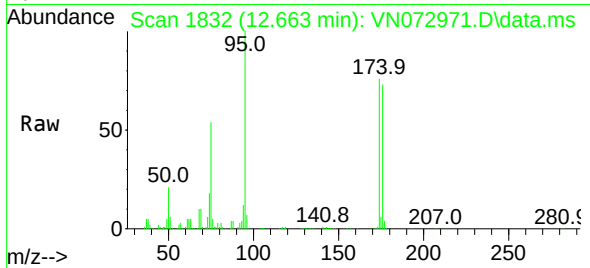




#76  
1,2,3-Trichloropropane  
Concen: 21.774 ug/l  
RT: 12.663 min Scan# 1832  
Delta R.T. -0.153 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

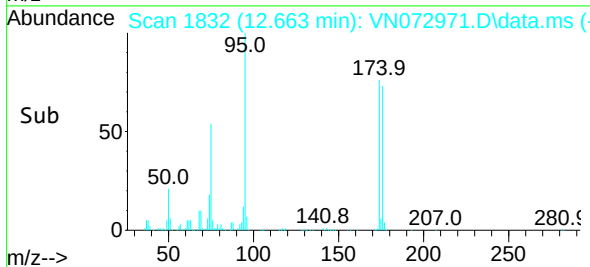
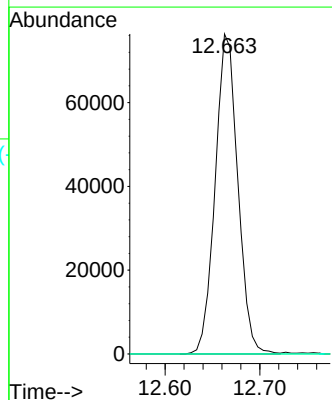
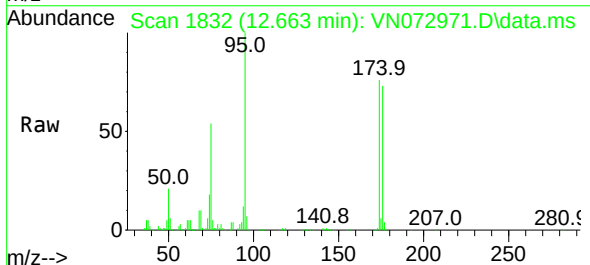
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0621MBL01

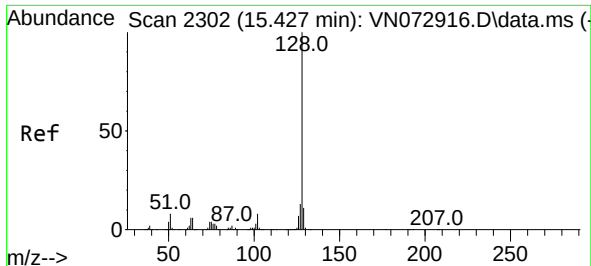
Tgt Ion: 75 Resp: 127050  
Ion Ratio Lower Upper  
75 100  
77 1.1 98.5 295.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.804 ug/l  
RT: 12.663 min Scan# 1832  
Delta R.T. 0.100 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

Tgt Ion: 75 Resp: 127050  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#

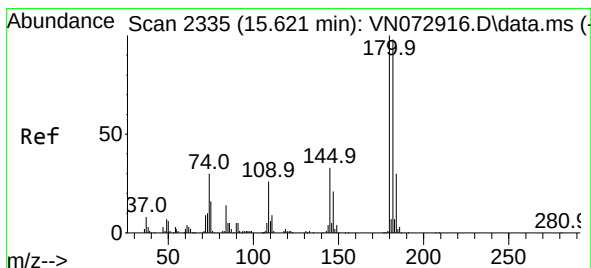
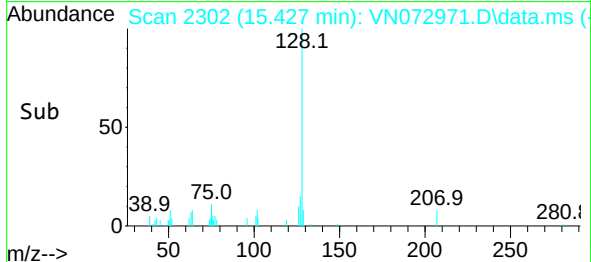
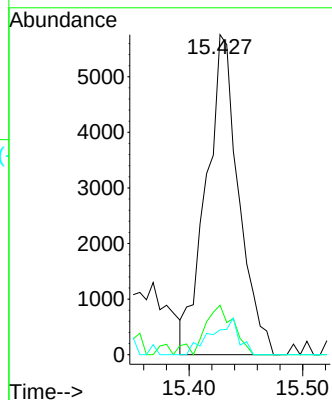
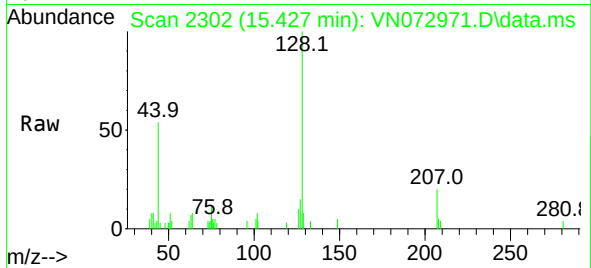




#95  
Naphthalene  
Concen: 0.614 ug/l  
RT: 15.427 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0621MBL01

Tgt Ion:128 Resp: 11408  
Ion Ratio Lower Upper  
128 100  
127 14.1 10.3 15.5  
129 9.5 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 0.453 ug/l  
RT: 15.610 min Scan# 2333  
Delta R.T. -0.012 min  
Lab File: VN072971.D  
Acq: 21 Jun 2022 09:55

Tgt Ion:180 Resp: 2222  
Ion Ratio Lower Upper  
180 100  
182 74.0 47.8 143.3  
145 23.2 15.5 46.5

