

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060822\  
 Data File : VN072696.D  
 Acq On : 08 Jun 2022 10:52  
 Operator : JC\MD  
 Sample : VN0608WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0608WBL01

Quant Time: Jun 09 03:21:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N060622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jun 06 14:10:15 2022  
 Response via : Initial Calibration

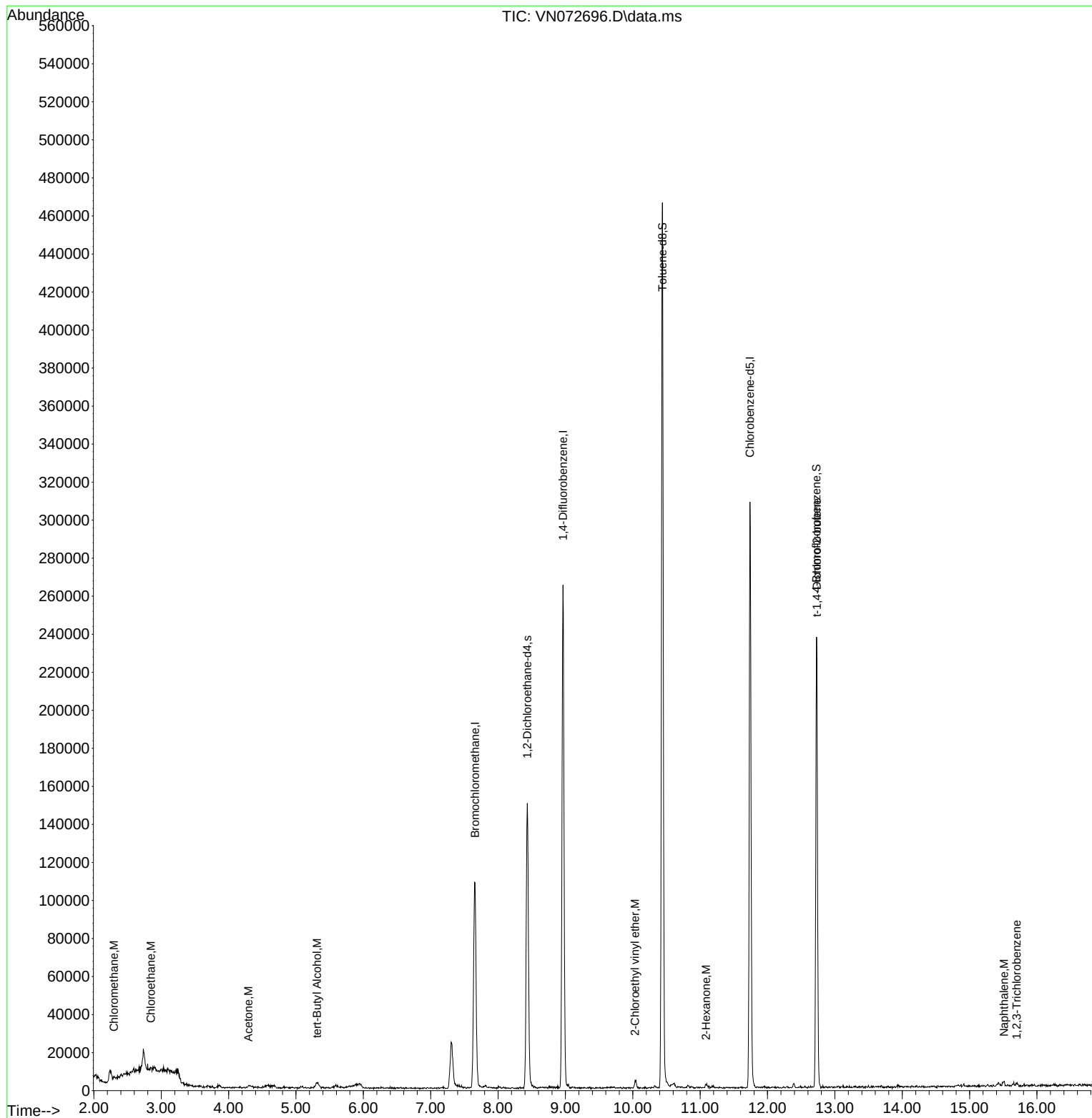
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Bromochloromethane         | 7.657     | 128   | 35823    | 30.000   | ug/l       | 0.00     |
| 28) 1,4-Difluorobenzene       | 8.963     | 114   | 214672   | 30.000   | ug/l       | # 0.00   |
| 57) Chlorobenzene-d5          | 11.739    | 117   | 166487   | 30.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 27) 1,2-Dichloroethane-d4     | 8.434     | 65    | 128985   | 31.571   | ug/l       | 0.00     |
| Spiked Amount                 | 30.000    | Range | 91 - 110 | Recovery | = 105.233% |          |
| 60) 4-Bromofluorobenzene      | 12.727    | 95    | 84880    | 24.788   | ug/l       | 0.00     |
| Spiked Amount                 | 30.000    | Range | 63 - 112 | Recovery | = 82.633%  |          |
| 63) Toluene-d8                | 10.439    | 98    | 309483   | 33.557   | ug/l       | 0.00     |
| Spiked Amount                 | 30.000    | Range | 91 - 112 | Recovery | = 111.867% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 2.299     | 50    | 707      | 0.242    | ug/l       | # 40     |
| 6) Chloroethane               | 2.846     | 64    | 592      | 0.337    | ug/l       | 90       |
| 15) Acetone                   | 4.293     | 58    | 371      | 0.688    | ug/l       | # 1      |
| 23) tert-Butyl Alcohol        | 5.310     | 59    | 1319     | 1.424    | ug/l       | # 100    |
| 55) 2-Chloroethyl vinyl ether | 10.033    | 63    | 1961     | 0.856    | ug/l       | # 85     |
| 59) 2-Hexanone                | 11.086    | 43    | 1073     | 0.283    | ug/l       | # 72     |
| 77) t-1,4-Dichloro-2-butene   | 12.733    | 75    | 49897    | 31.802   | ug/l       | # 8      |
| 91) Naphthalene               | 15.510    | 128   | 3191     | 0.358    | ug/l       | # 86     |
| 92) 1,2,3-Trichlorobenzene    | 15.698    | 180   | 506      | 0.222    | ug/l       | # 57     |
| -----                         |           |       |          |          |            |          |

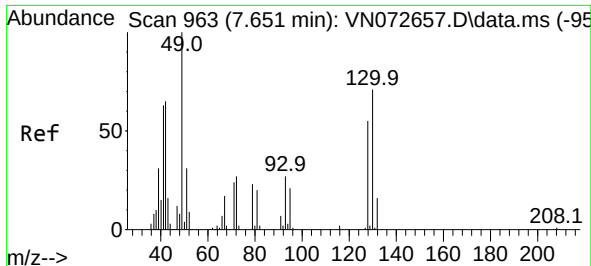
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060822\  
Data File : VN072696.D  
Acq On : 08 Jun 2022 10:52  
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Sample : VN0608WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0608WBL01

Quant Time: Jun 09 03:21:40 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N060622W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jun 06 14:10:15 2022  
Response via : Initial Calibration

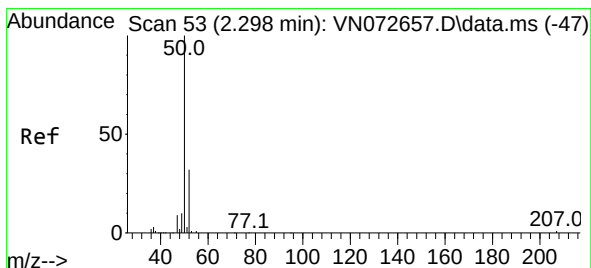
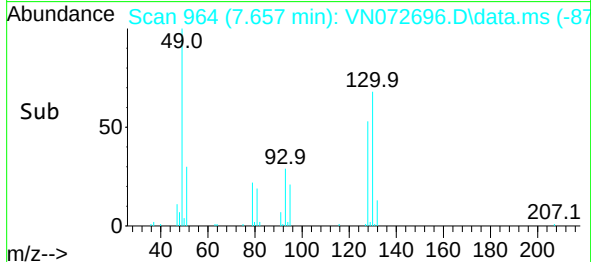
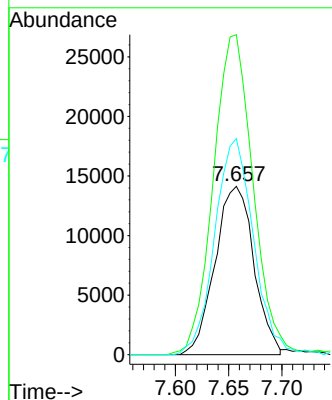
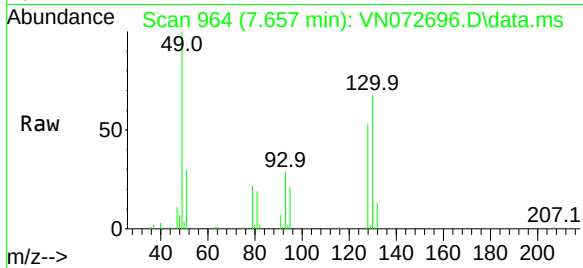




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.657 min Scan# 9  
Delta R.T. 0.006 min  
Lab File: VN072696.D  
Acq: 08 Jun 2022 10:52

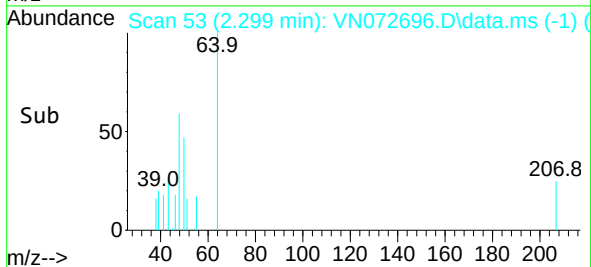
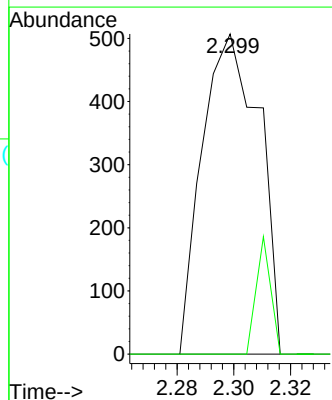
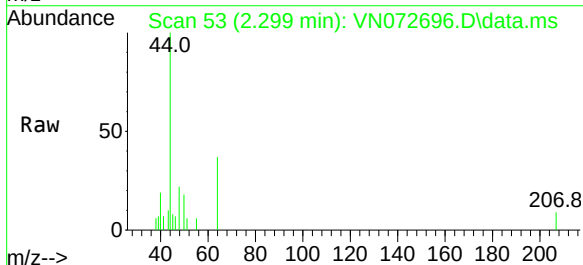
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0608WBL01

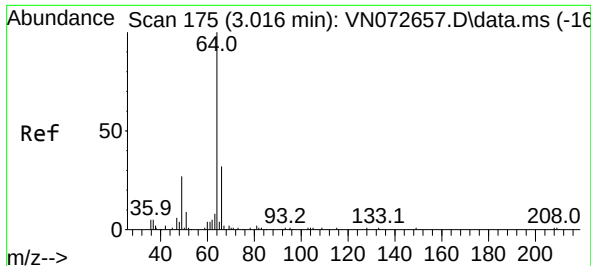
Tgt Ion:128 Resp: 35823  
Ion Ratio Lower Upper  
128 100  
49 194.6 0.0 392.3  
130 128.7 0.0 320.2



#3  
Chloromethane  
Concen: 0.242 ug/l  
RT: 2.299 min Scan# 53  
Delta R.T. 0.000 min  
Lab File: VN072696.D  
Acq: 08 Jun 2022 10:52

Tgt Ion: 50 Resp: 707  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.8 41.6#

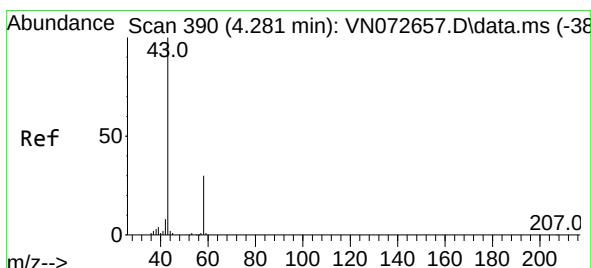
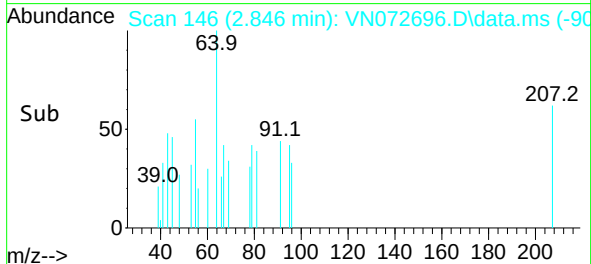
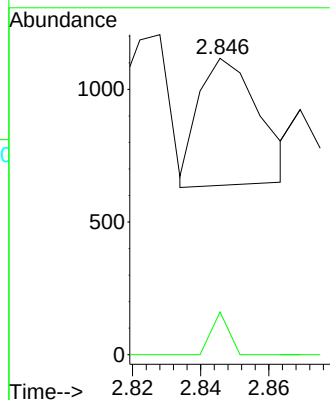
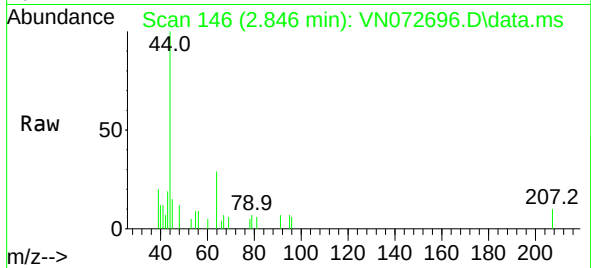




#6  
Chloroethane  
Concen: 0.337 ug/l  
RT: 2.846 min Scan# 146  
Delta R.T. -0.170 min  
Lab File: VN072696.D  
Acq: 08 Jun 2022 10:52

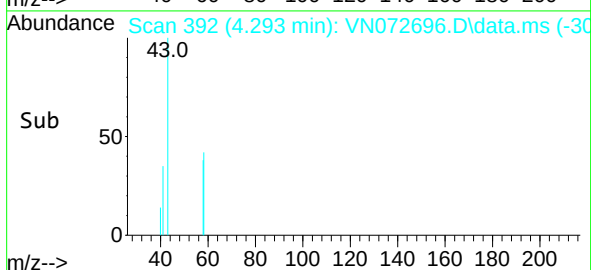
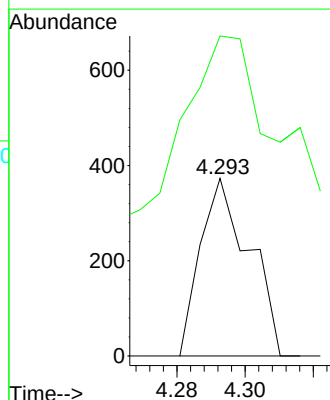
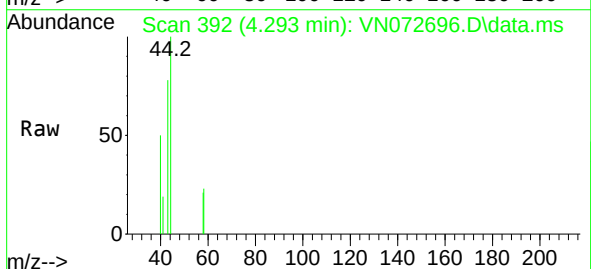
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0608WBL01

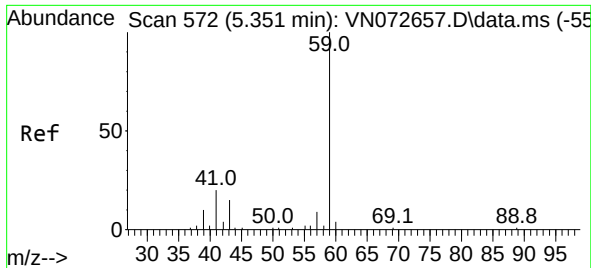
Tgt Ion: 64 Resp: 592  
Ion Ratio Lower Upper  
64 100  
66 36.2 24.6 36.8



#15  
Acetone  
Concen: 0.688 ug/l  
RT: 4.293 min Scan# 392  
Delta R.T. 0.012 min  
Lab File: VN072696.D  
Acq: 08 Jun 2022 10:52

Tgt Ion: 58 Resp: 371  
Ion Ratio Lower Upper  
58 100  
43 59.8 256.6 384.8#

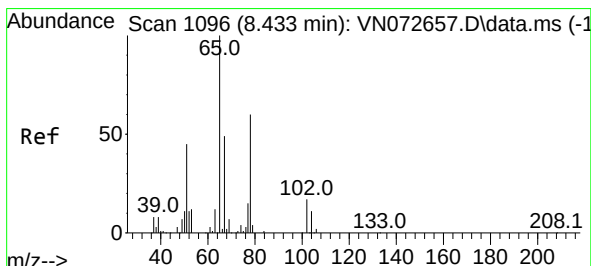
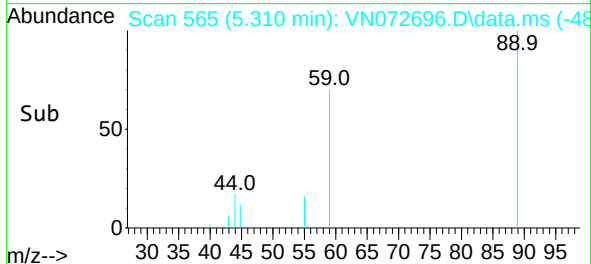
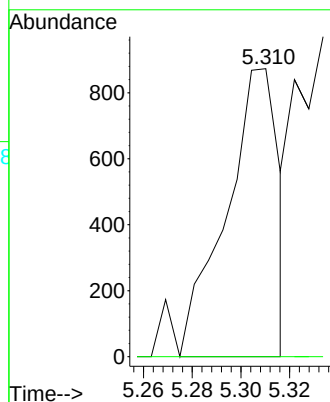
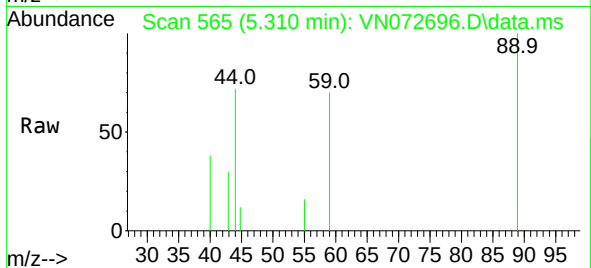




#23  
tert-Butyl Alcohol  
Concen: 1.424 ug/l  
RT: 5.310 min Scan# 51  
Delta R.T. -0.041 min  
Lab File: VN072696.D  
Acq: 08 Jun 2022 10:52

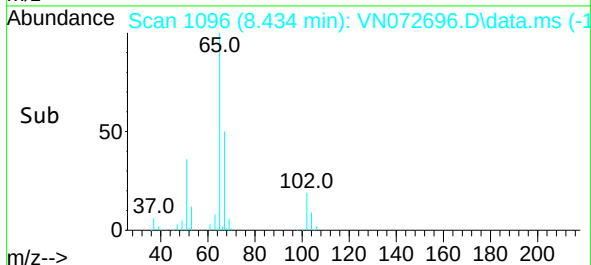
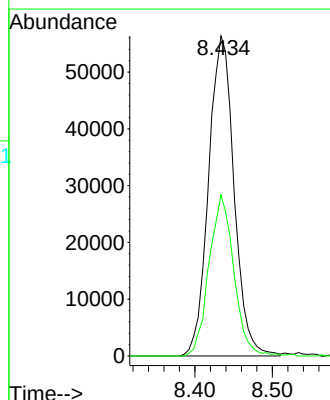
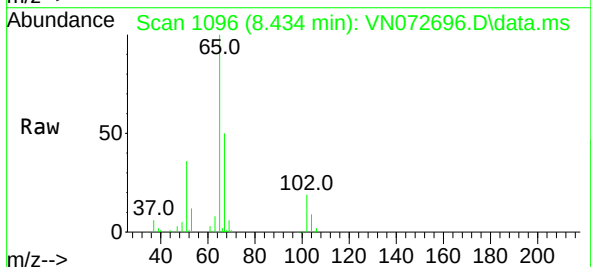
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0608WBL01

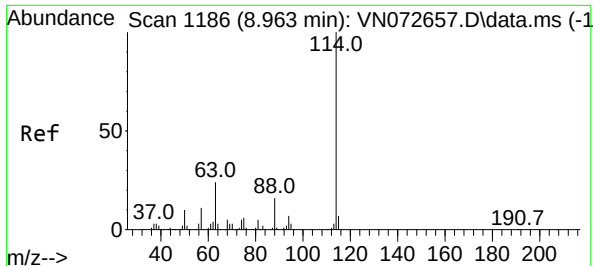
Tgt Ion: 59 Resp: 1319  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#27  
1,2-Dichloroethane-d4  
Concen: 31.571 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. 0.000 min  
Lab File: VN072696.D  
Acq: 08 Jun 2022 10:52

Tgt Ion: 65 Resp: 128985  
Ion Ratio Lower Upper  
65 100  
67 48.9 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072696.D

Acq: 08 Jun 2022 10:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0608WBL01

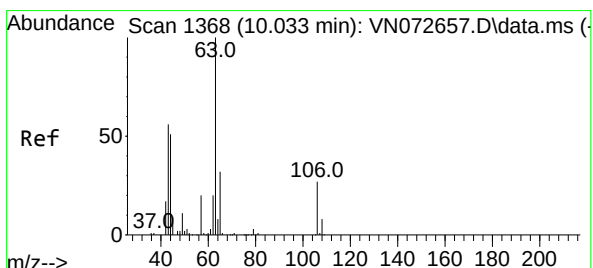
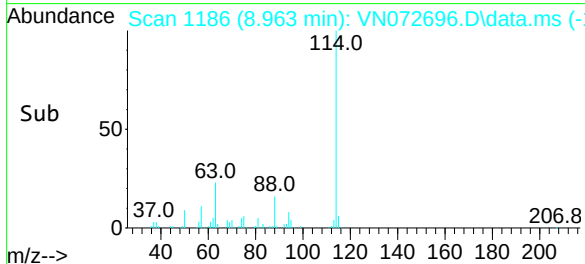
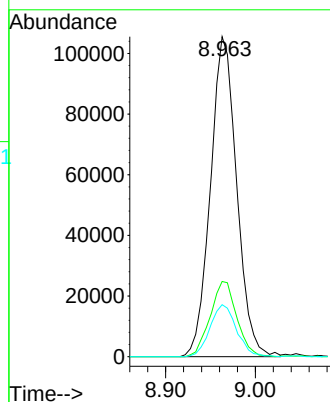
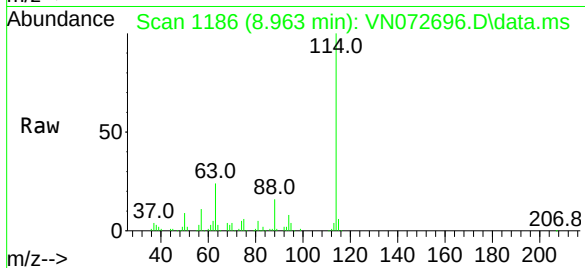
Tgt Ion:114 Resp: 214672

Ion Ratio Lower Upper

114 100

63 23.8 15.8 23.6#

88 16.3 11.6 17.4



#55

2-Chloroethyl vinyl ether

Concen: 0.856 ug/l

RT: 10.033 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VN072696.D

Acq: 08 Jun 2022 10:52

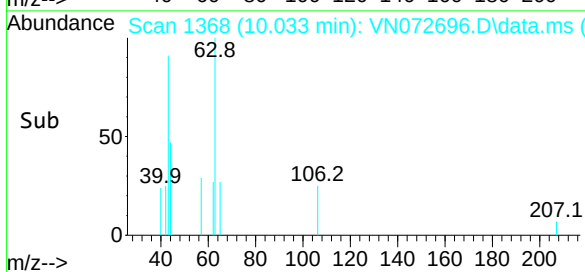
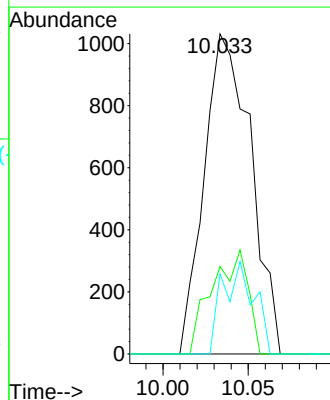
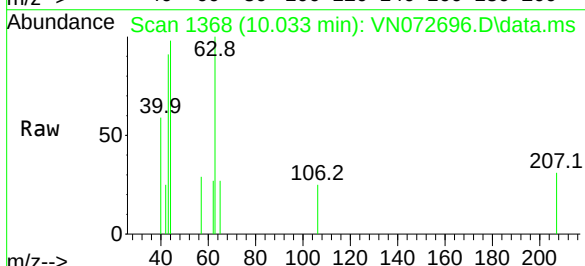
Tgt Ion: 63 Resp: 1961

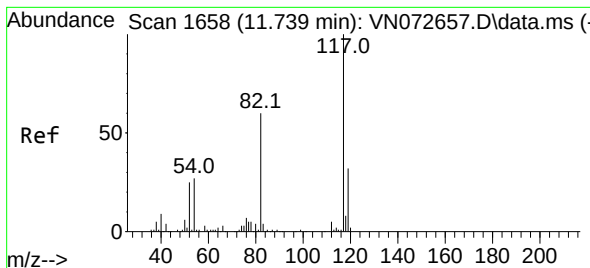
Ion Ratio Lower Upper

63 100

65 25.2 25.4 38.0#

106 19.5 23.2 34.8#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072696.D

Acq: 08 Jun 2022 10:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0608WBL01

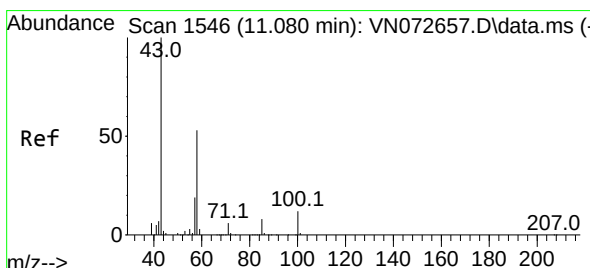
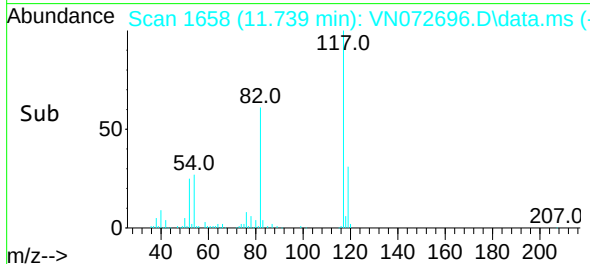
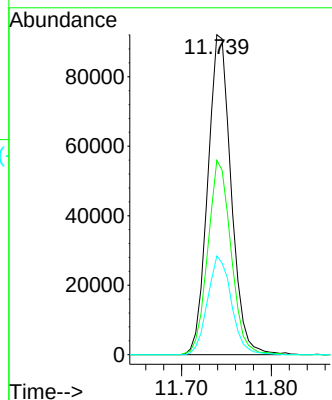
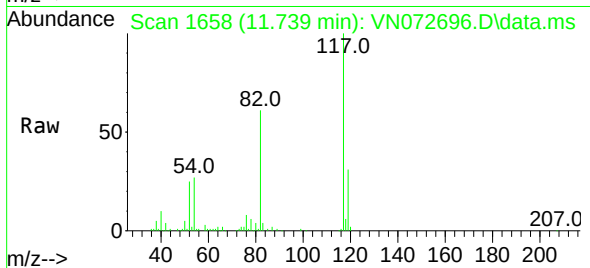
Tgt Ion:117 Resp: 166487

Ion Ratio Lower Upper

117 100

82 60.4 43.6 65.4

119 31.4 25.8 38.6



#59

2-Hexanone

Concen: 0.283 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN072696.D

Acq: 08 Jun 2022 10:52

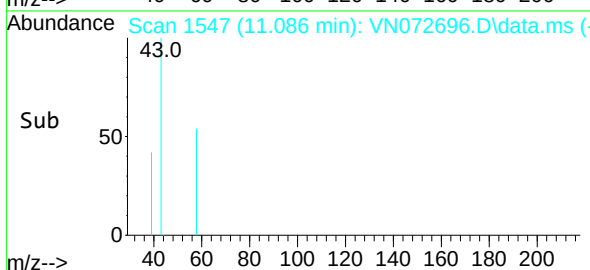
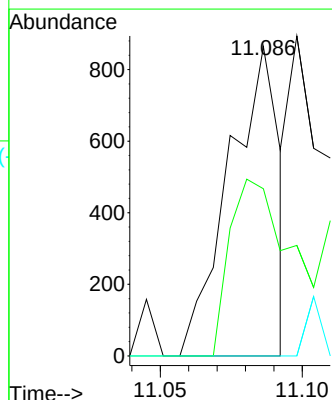
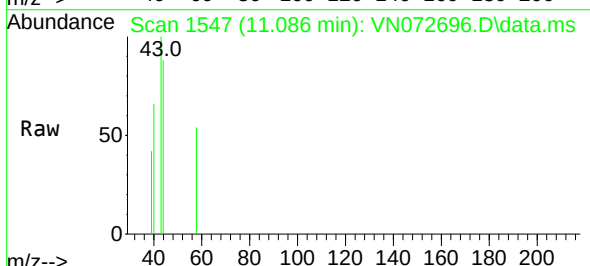
Tgt Ion: 43 Resp: 1073

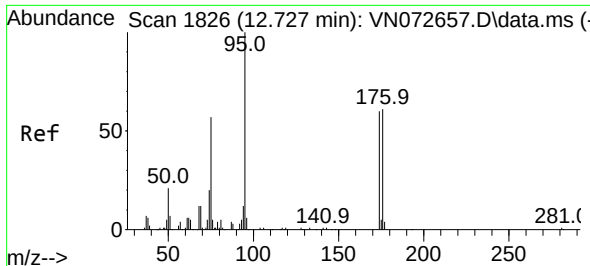
Ion Ratio Lower Upper

43 100

58 69.5 42.2 63.2#

57 0.0 15.0 22.4#

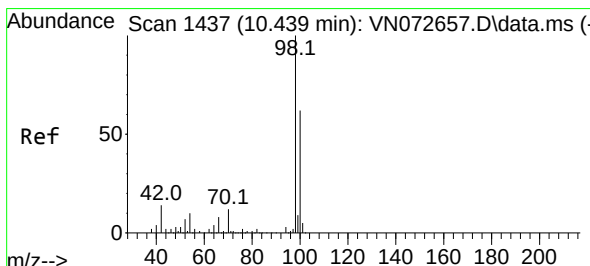
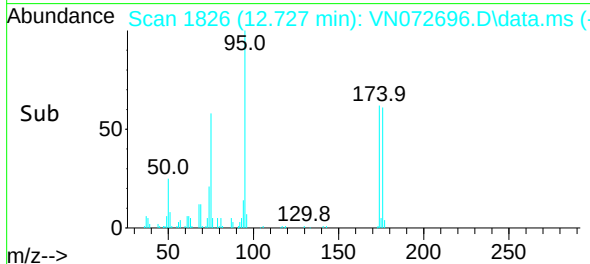
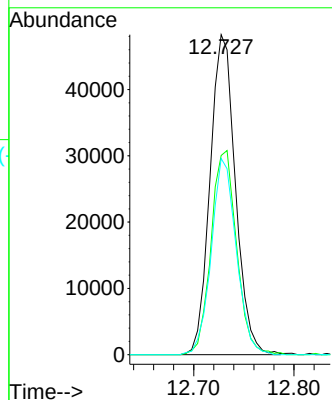
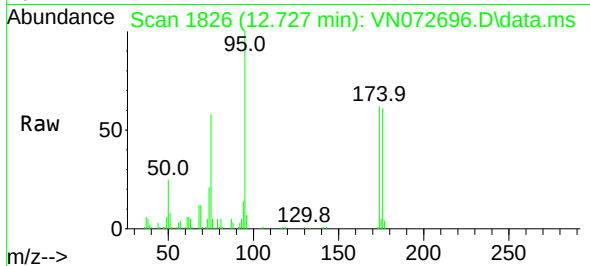




#60  
4-Bromofluorobenzene  
Concen: 24.788 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072696.D  
Acq: 08 Jun 2022 10:52

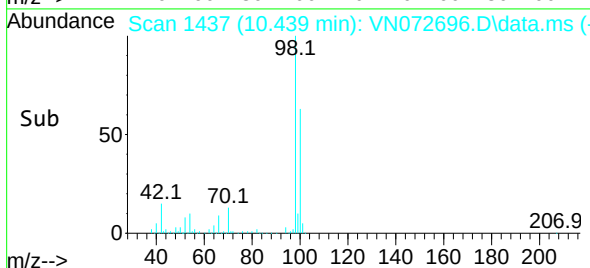
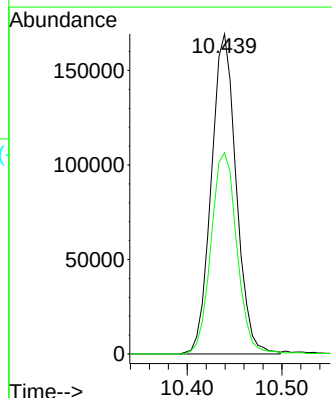
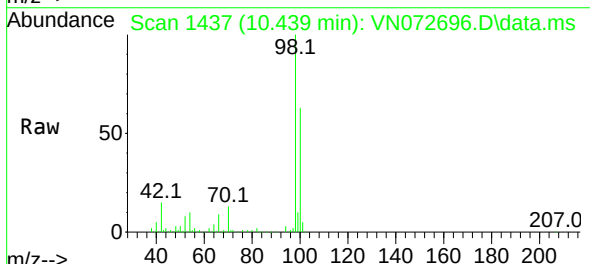
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0608WBL01

Tgt Ion: 95 Resp: 84880  
Ion Ratio Lower Upper  
95 100  
174 64.3 62.9 94.3  
176 60.4 61.0 91.4#

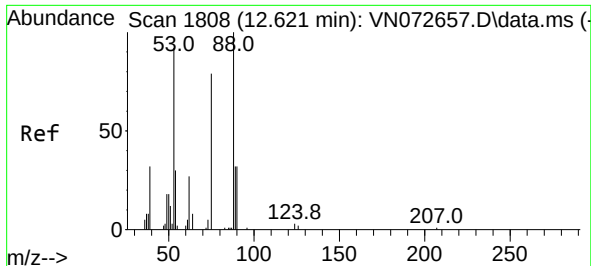


#63  
Toluene-d8  
Concen: 33.557 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072696.D  
Acq: 08 Jun 2022 10:52

Tgt Ion: 98 Resp: 309483  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.6 76.0



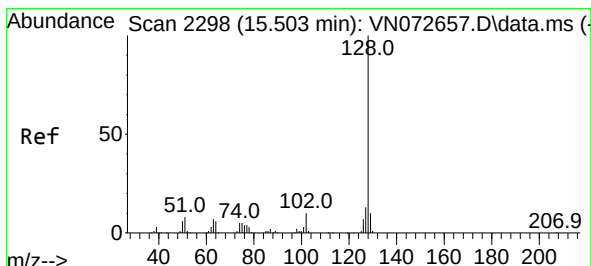
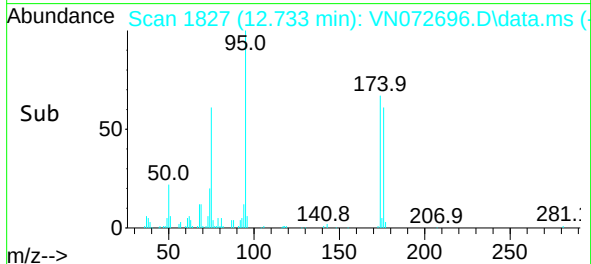
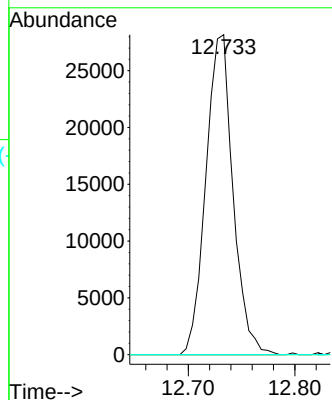
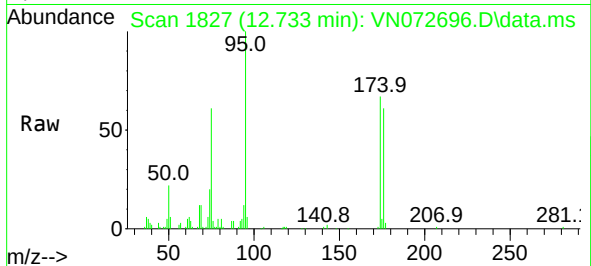




#77  
t-1,4-Dichloro-2-butene  
Concen: 31.802 ug/l  
RT: 12.733 min Scan# 1808  
Delta R.T. 0.112 min  
Lab File: VN072696.D  
Acq: 08 Jun 2022 10:52

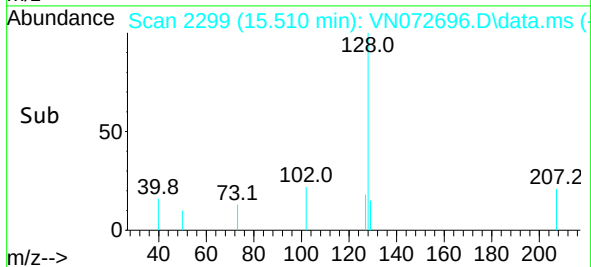
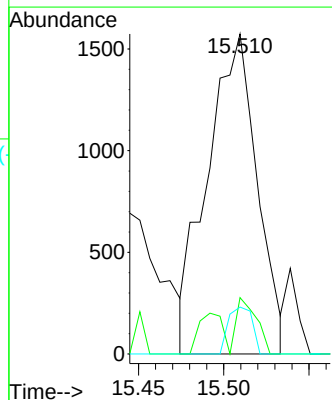
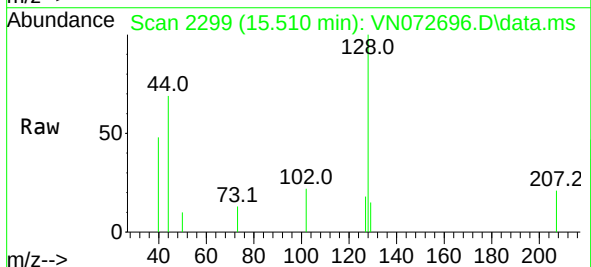
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0608WBL01

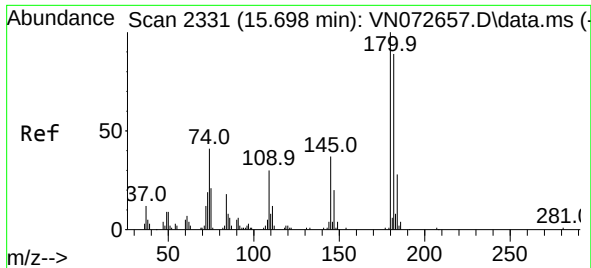
Tgt Ion: 75 Resp: 49897  
Ion Ratio Lower Upper  
75 100  
53 0.0 51.8 155.5#  
89 0.0 22.9 68.7#



#91  
Naphthalene  
Concen: 0.358 ug/l  
RT: 15.510 min Scan# 2299  
Delta R.T. 0.006 min  
Lab File: VN072696.D  
Acq: 08 Jun 2022 10:52

Tgt Ion:128 Resp: 3191  
Ion Ratio Lower Upper  
128 100  
127 7.2 10.7 16.1#  
129 7.1 9.0 13.6#





#92

1,2,3-Trichlorobenzene

Concen: 0.222 ug/l

RT: 15.698 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN072696.D

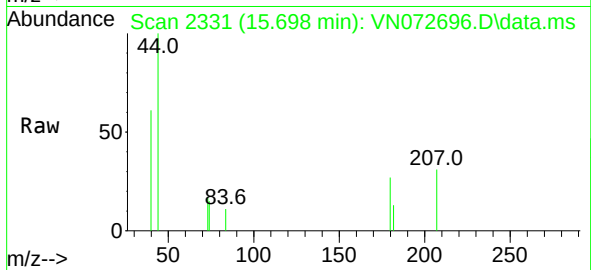
Acq: 08 Jun 2022 10:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0608WBL01



Tgt Ion:180 Resp: 506

Ion Ratio Lower Upper

180 100

182 58.5 0.0 190.0

145 0.0 0.0 67.8

