

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011922\  
 Data File : VN070706.D  
 Acq On : 19 Jan 2022 17:53  
 Operator : JC/MD  
 Sample : N1183-03  
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jan 20 03:42:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 18 13:32:07 2022  
 Response via : Initial Calibration

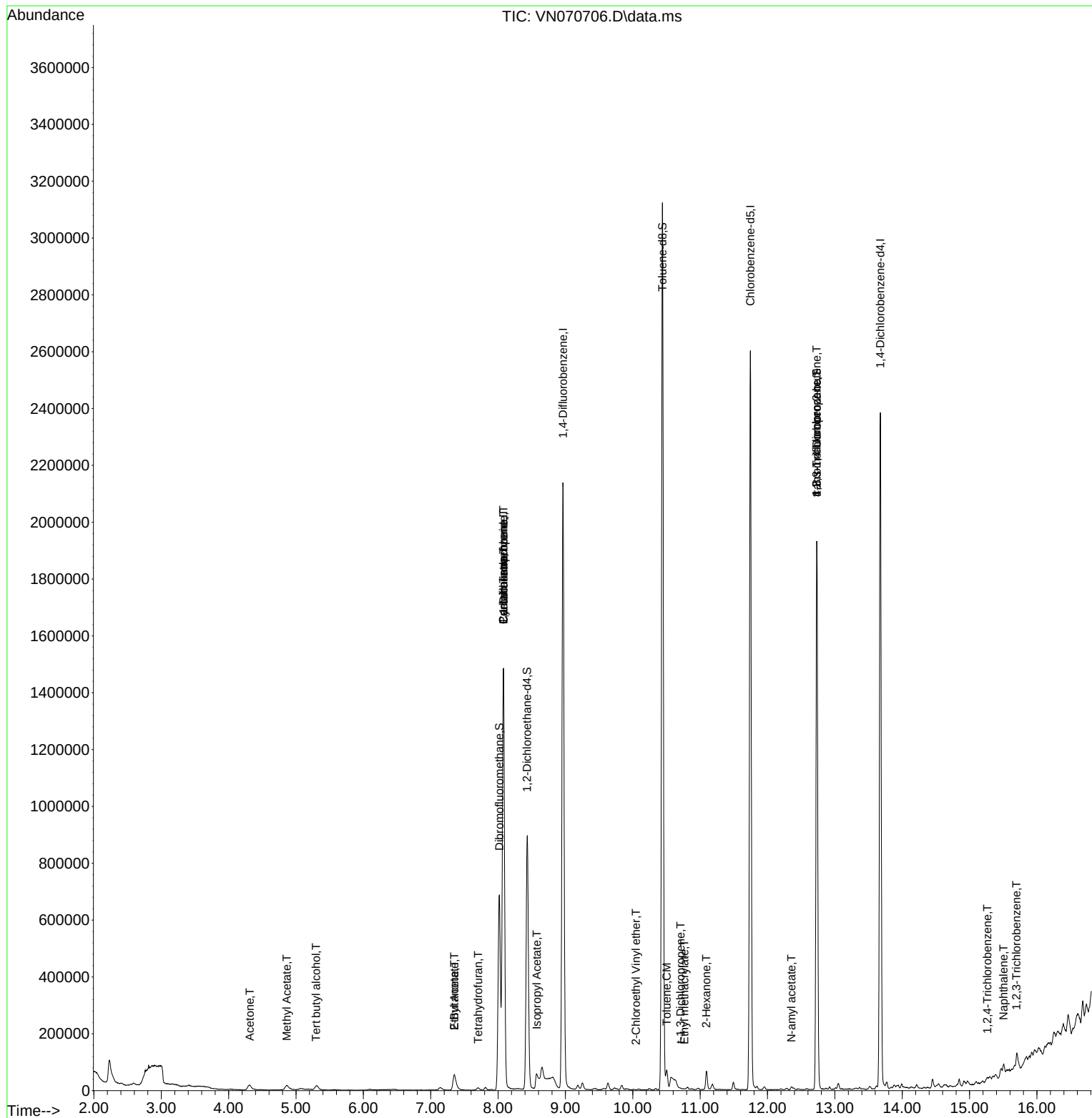
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.080  | 168   | 1152239  | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963  | 114   | 1869143  | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.746 | 117   | 1493728  | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.675 | 152   | 633347   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.432  | 65    | 758409   | 45.927    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 91.860%  |
| 35) Dibromofluoromethane      | 8.018  | 113   | 519989   | 44.849    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 89.700%  |
| 50) Toluene-d8                | 10.440 | 98    | 2211162  | 45.270    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 90.540%  |
| 62) 4-Bromofluorobenzene      | 12.731 | 95    | 708430   | 40.702    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 81.400%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 5.299  | 59    | 17326    | 5.816     | ug/l # | 71       |
| 16) Acetone                   | 4.315  | 43    | 38996    | 3.402     | ug/l   | 93       |
| 18) Methyl Acetate            | 4.862  | 43    | 43760    | 1.941     | ug/l # | 87       |
| 25) 2-Butanone                | 7.351  | 43    | 118730   | 8.232     | ug/l   | 92       |
| 29) Tetrahydrofuran           | 7.705  | 42    | 8181     | 0.926     | ug/l # | 68       |
| 30) Chloroform                | 7.812  | 83    | 9201     | Below Cal |        | 94       |
| 31) Cyclohexane               | 8.080  | 56    | 26342    | 0.906     | ug/l # | 11       |
| 36) 1,1-Dichloropropene       | 8.080  | 75    | 93937    | 4.813     | ug/l # | 48       |
| 37) Ethyl Acetate             | 7.351  | 43    | 118730   | 4.582     | ug/l # | 68       |
| 38) Carbon Tetrachloride      | 8.078  | 117   | 114045   | 6.568     | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.574  | 43    | 55662    | 1.406     | ug/l # | 56       |
| 52) Toluene                   | 10.502 | 92    | 14192    | 0.392     | ug/l   | 88       |
| 53) t-1,3-Dichloropropene     | 10.709 | 75    | 142      | 2.409     | ug/l # | 88       |
| 56) Ethyl methacrylate        | 10.765 | 69    | 668      | 2.325     | ug/l # | 43       |
| 58) 2-Chloroethyl Vinyl ether | 10.046 | 63    | 191      | 21.262    | ug/l # | 45       |
| 59) 2-Hexanone                | 11.089 | 43    | 15870    | 0.865     | ug/l   | 69       |
| 74) N-amyl acetate            | 12.355 | 43    | 7250     | 0.296     | ug/l # | 47       |
| 76) 1,2,3-Trichloropropane    | 12.731 | 75    | 371704   | 22.128    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.731 | 75    | 371704   | 65.923    | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180   | 3466     | 3.701     | ug/l   | 95       |
| 95) Naphthalene               | 15.504 | 128   | 39514    | 6.033     | ug/l   | 95       |
| 96) 1,2,3-Trichlorobenzene    | 15.697 | 180   | 1629     | 3.352     | ug/l # | 1        |
| -----                         |        |       |          |           |        |          |

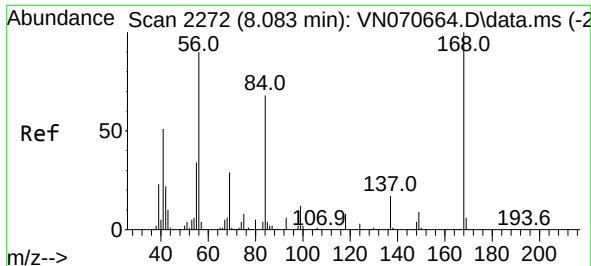
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011922\  
Data File : VN070706.D  
Acq On : 19 Jan 2022 17:53  
Operator : JC/MD  
Sample : N1183-03  
Misc : 1.05g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jan 20 03:42:15 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 18 13:32:07 2022  
Response via : Initial Calibration

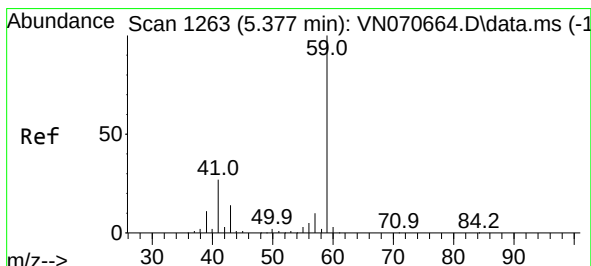
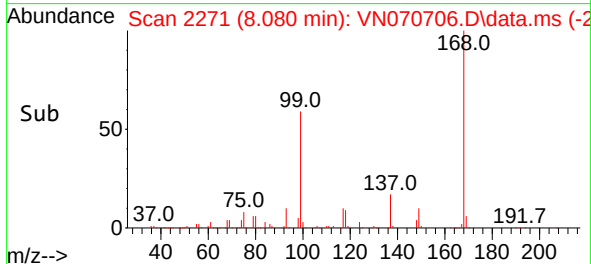
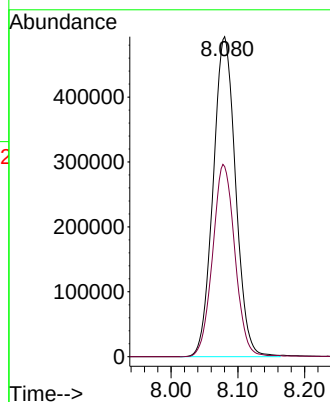
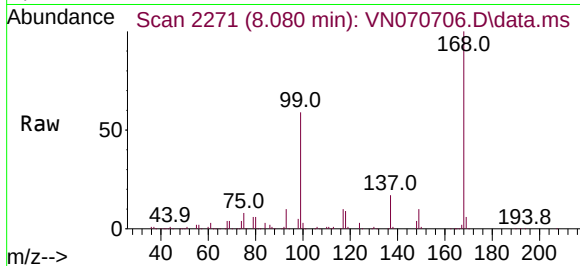




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.080 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

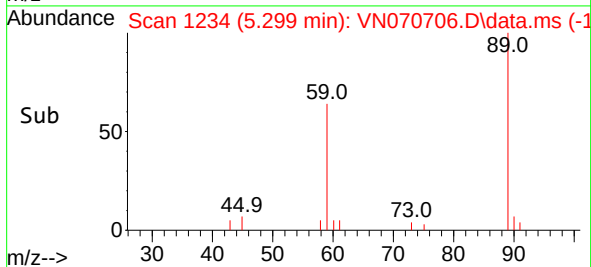
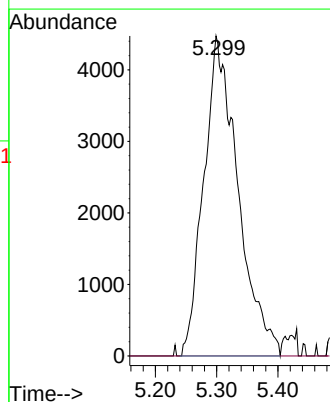
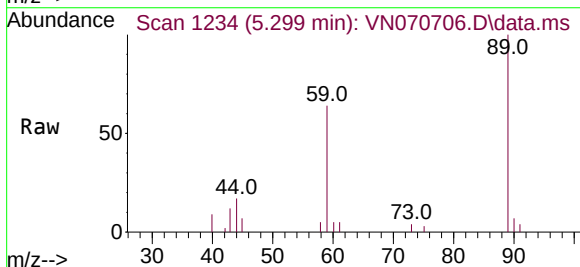
Instrument :  
MSVOA\_N  
ClientSampleId :

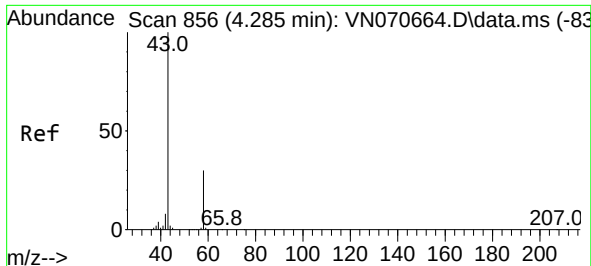
Tgt Ion:168 Resp: 1152239  
Ion Ratio Lower Upper  
168 100  
99 59.4 41.3 61.9



#11  
Tert butyl alcohol  
Concen: 5.816 ug/l  
RT: 5.299 min Scan# 1234  
Delta R.T. -0.078 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

Tgt Ion: 59 Resp: 17326  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#

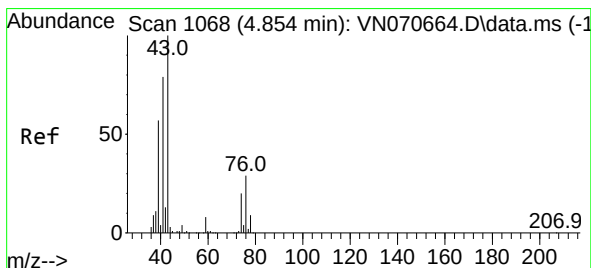
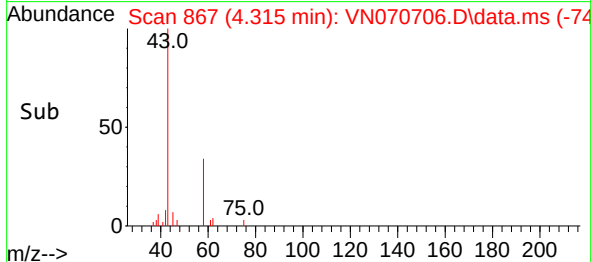
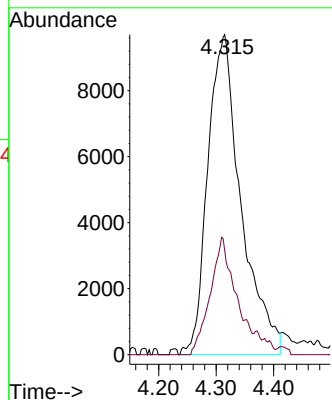
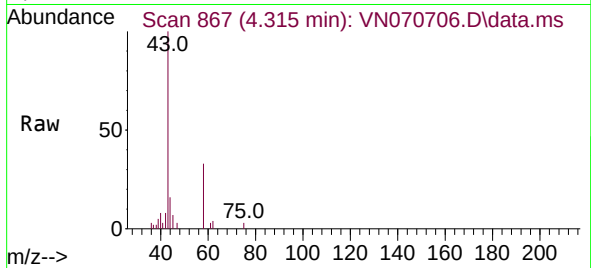




#16  
Acetone  
Concen: 3.402 ug/l  
RT: 4.315 min Scan# 80  
Delta R.T. 0.030 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

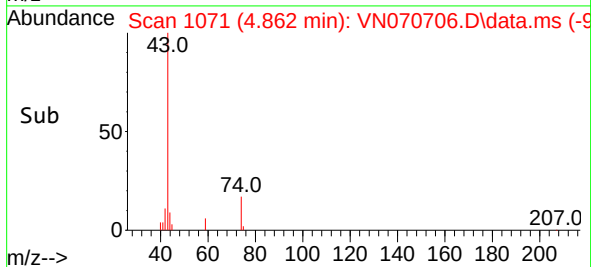
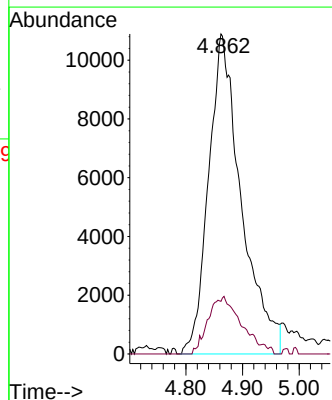
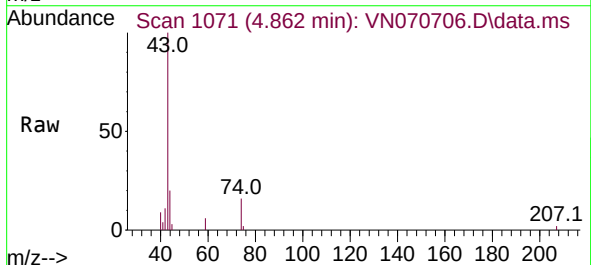
Instrument :  
MSVOA\_N  
ClientSampleId :

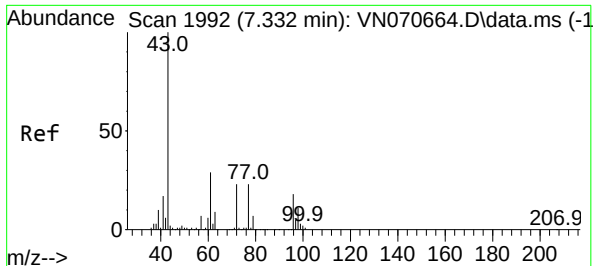
Tgt Ion: 43 Resp: 38996  
Ion Ratio Lower Upper  
43 100  
58 32.6 23.1 34.7



#18  
Methyl Acetate  
Concen: 1.941 ug/l  
RT: 4.862 min Scan# 1071  
Delta R.T. 0.008 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

Tgt Ion: 43 Resp: 43760  
Ion Ratio Lower Upper  
43 100  
74 17.8 19.4 29.2#





#25

2-Butanone

Concen: 8.232 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.019 min

Lab File: VN070706.D

Acq: 19 Jan 2022 17:53

Instrument :

MSVOA\_N

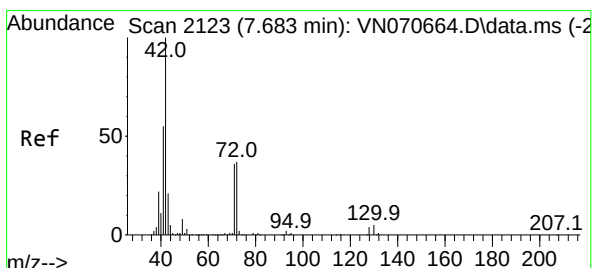
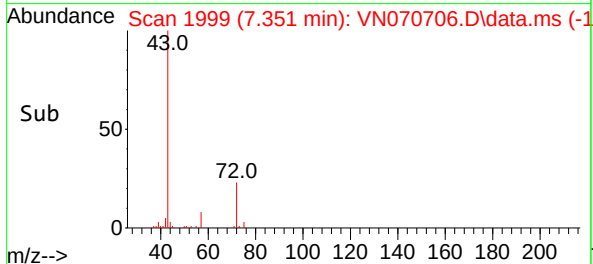
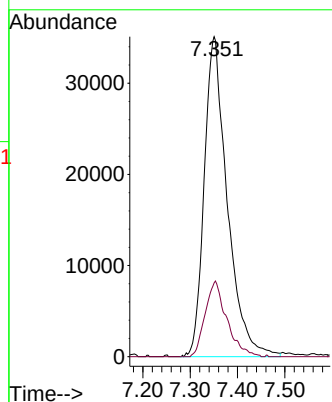
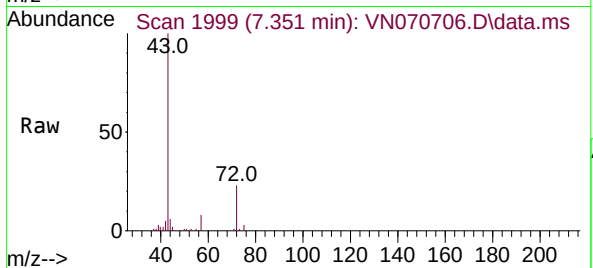
ClientSampleId :

Tgt Ion: 43 Resp: 118730

Ion Ratio Lower Upper

43 100

72 23.0 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.926 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.022 min

Lab File: VN070706.D

Acq: 19 Jan 2022 17:53

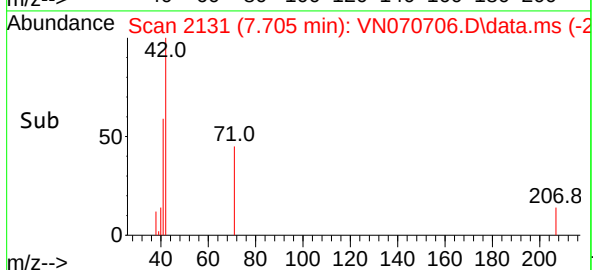
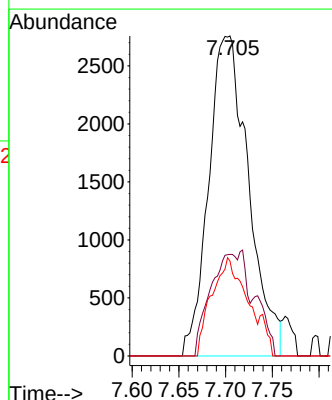
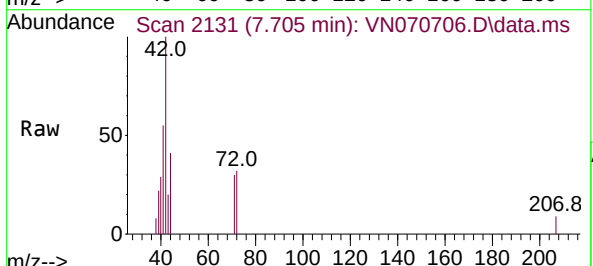
Tgt Ion: 42 Resp: 8181

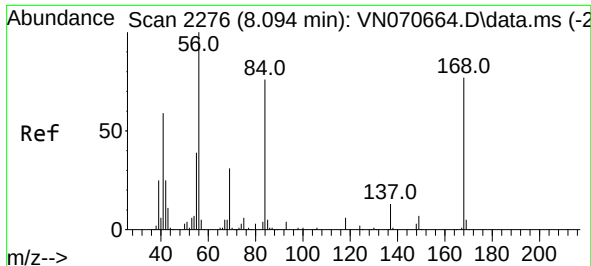
Ion Ratio Lower Upper

42 100

72 21.8 36.3 54.5#

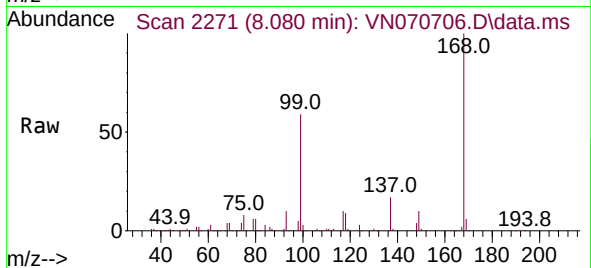
71 25.8 34.7 52.1#



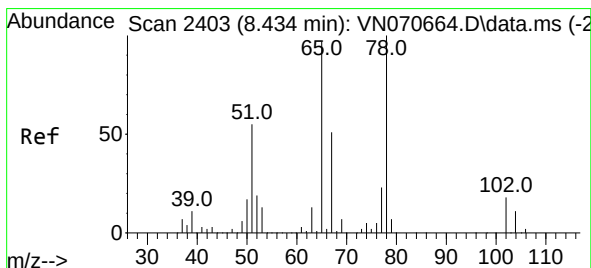
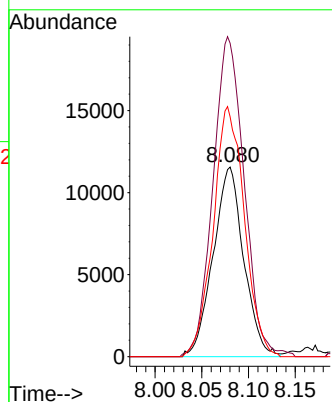
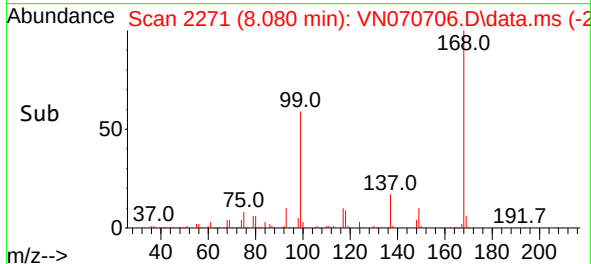


#31  
Cyclohexane  
Concen: 0.906 ug/l  
RT: 8.080 min Scan# 21  
Delta R.T. -0.014 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

Instrument :  
MSVOA\_N  
ClientSampleId :

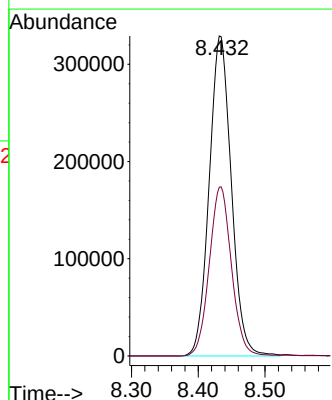
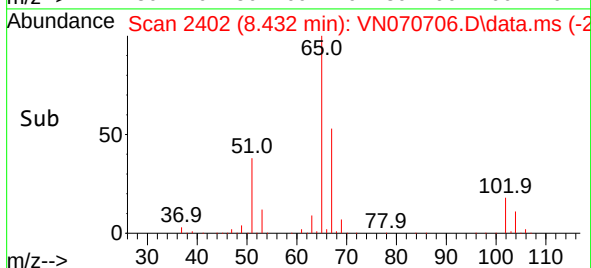
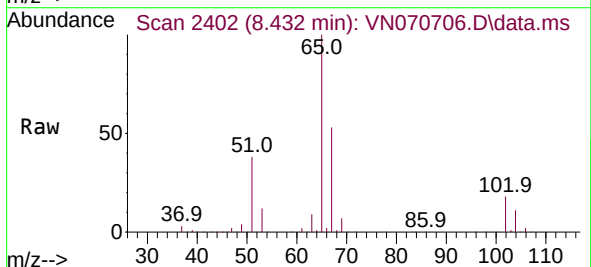


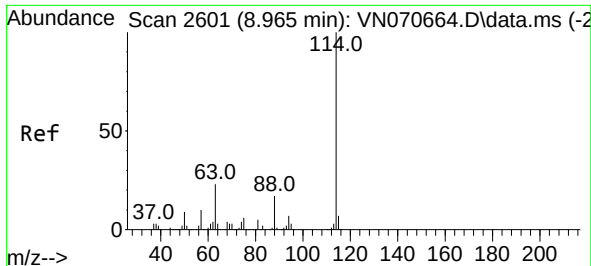
Tgt Ion: 56 Resp: 26342  
Ion Ratio Lower Upper  
56 100  
69 165.4 27.1 40.7#  
84 126.6 73.4 110.0#



#33  
1,2-Dichloroethane-d4  
Concen: 45.927 ug/l  
RT: 8.432 min Scan# 2402  
Delta R.T. -0.002 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

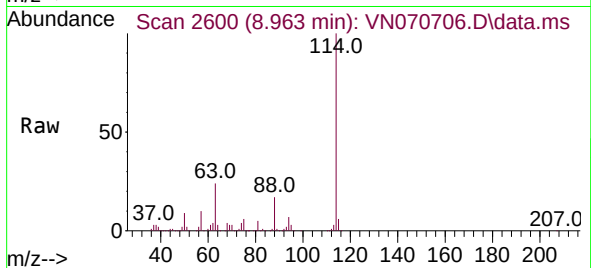
Tgt Ion: 65 Resp: 758409  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 103.0



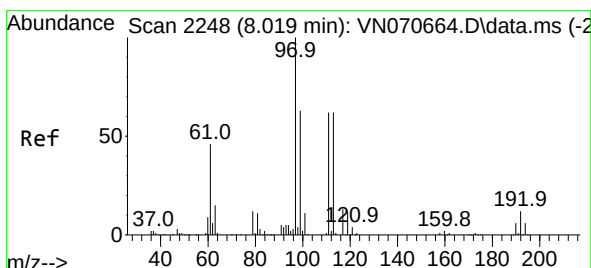
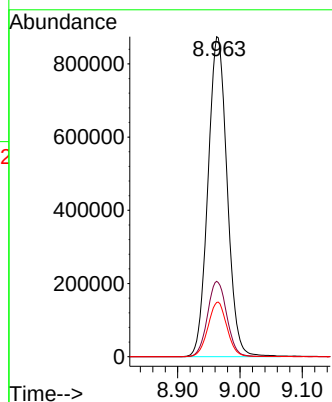
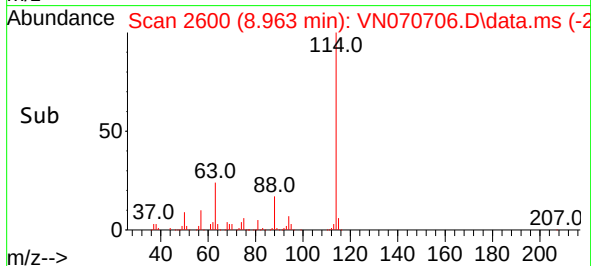


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 2600  
Delta R.T. -0.002 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

Instrument :  
MSVOA\_N  
ClientSampleId :

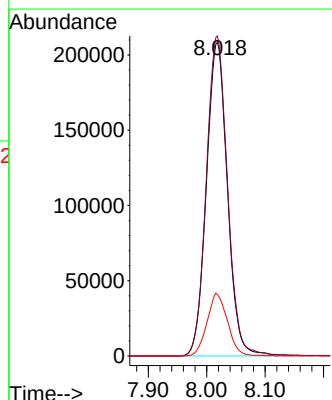
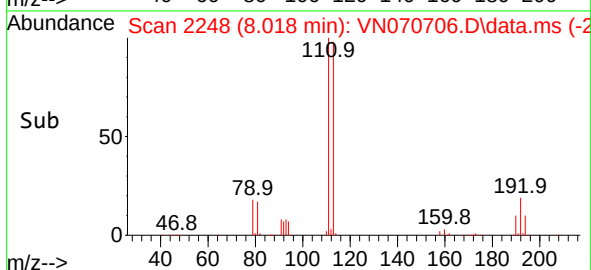
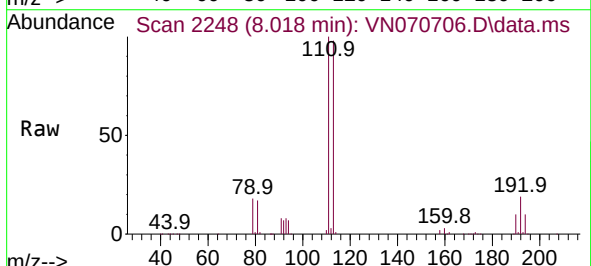


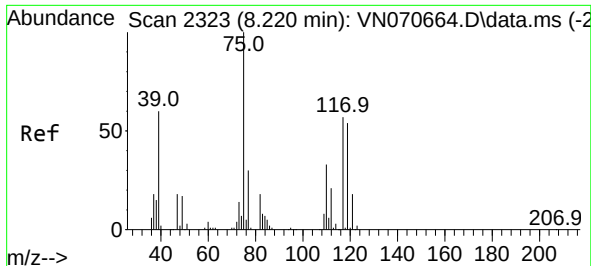
Tgt Ion:114 Resp: 1869143  
Ion Ratio Lower Upper  
114 100  
63 23.6 0.0 37.8  
88 16.9 0.0 27.4



#35  
Dibromofluoromethane  
Concen: 44.849 ug/l  
RT: 8.018 min Scan# 2248  
Delta R.T. -0.001 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

Tgt Ion:113 Resp: 519989  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.2 123.2  
192 19.4 16.9 25.3

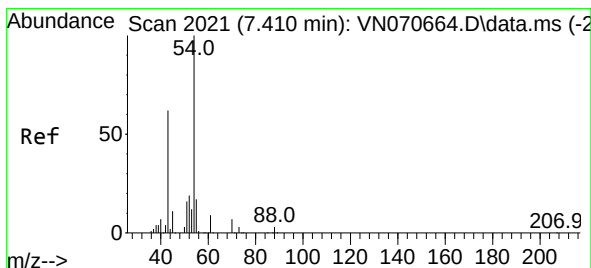
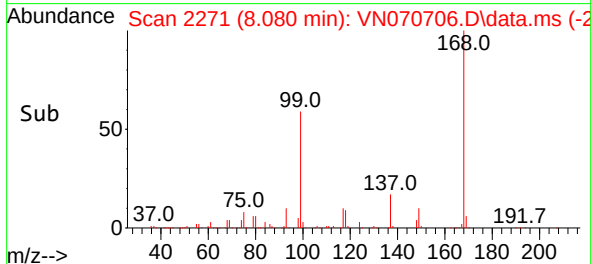
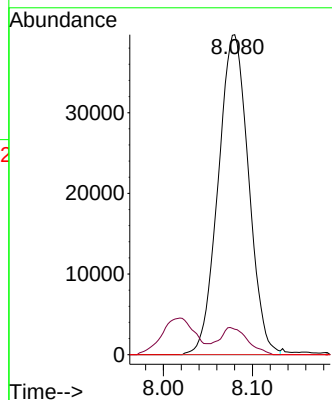
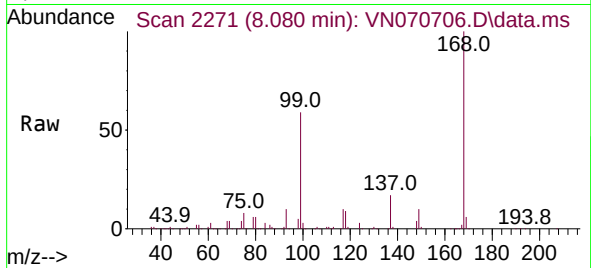




#36  
1,1-Dichloropropene  
Concen: 4.813 ug/l  
RT: 8.080 min Scan# 21  
Delta R.T. -0.140 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

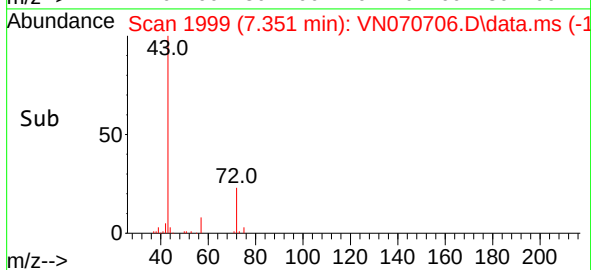
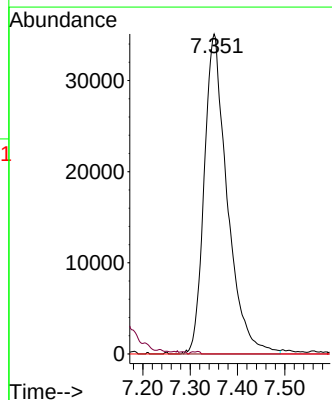
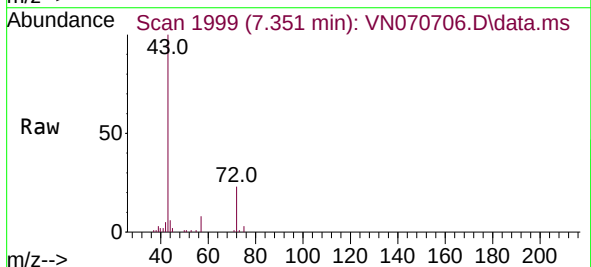
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 93937  
Ion Ratio Lower Upper  
75 100  
110 7.6 18.4 55.2#  
77 0.0 24.4 36.6#

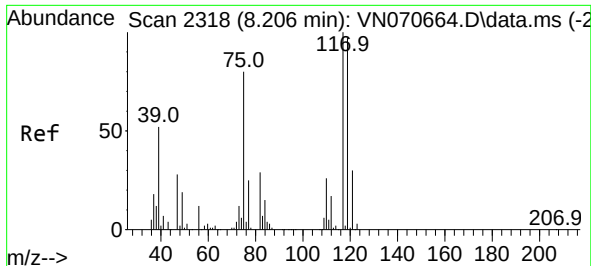


#37  
Ethyl Acetate  
Concen: 4.582 ug/l  
RT: 7.351 min Scan# 1999  
Delta R.T. -0.059 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

Tgt Ion: 43 Resp: 118730  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.5 17.3#  
70 0.0 7.9 11.9#

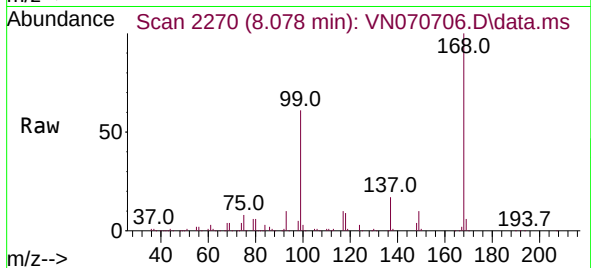




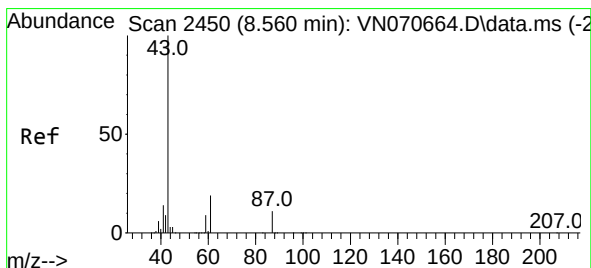
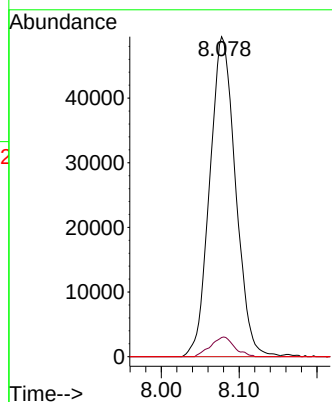
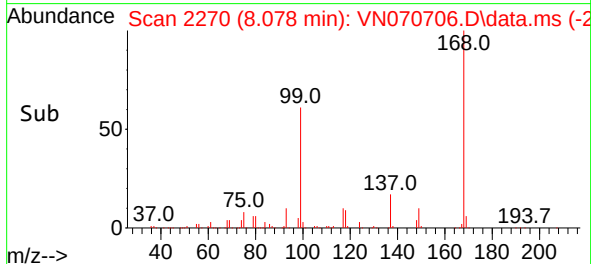


#38  
Carbon Tetrachloride  
Concen: 6.568 ug/l  
RT: 8.078 min Scan# 211  
Delta R.T. -0.128 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

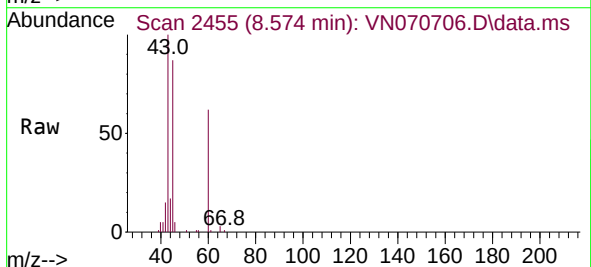
Instrument :  
MSVOA\_N  
ClientSampleId :



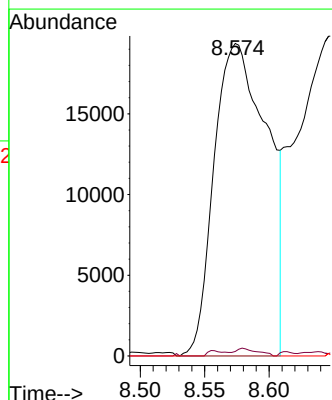
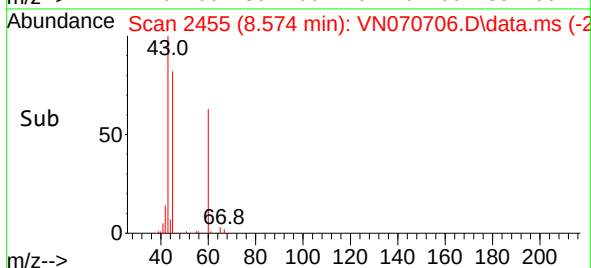
Tgt Ion:117 Resp: 114045  
Ion Ratio Lower Upper  
117 100  
119 6.0 76.1 114.1#  
121 0.0 24.2 36.2#

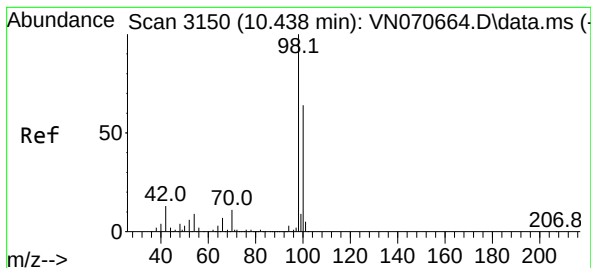


#43  
Isopropyl Acetate  
Concen: 1.406 ug/l  
RT: 8.574 min Scan# 2455  
Delta R.T. 0.014 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53



Tgt Ion: 43 Resp: 55662  
Ion Ratio Lower Upper  
43 100  
61 1.0 20.4 30.6#  
87 0.0 11.2 16.8#





#50

Toluene-d8

Concen: 45.270 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070706.D

Acq: 19 Jan 2022 17:53

Instrument :

MSVOA\_N

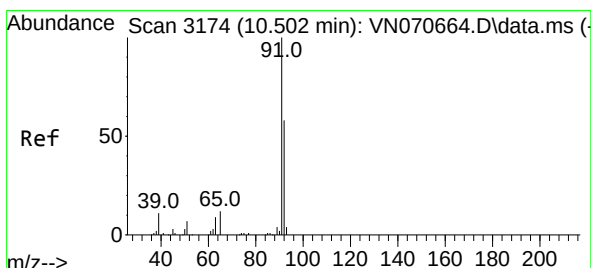
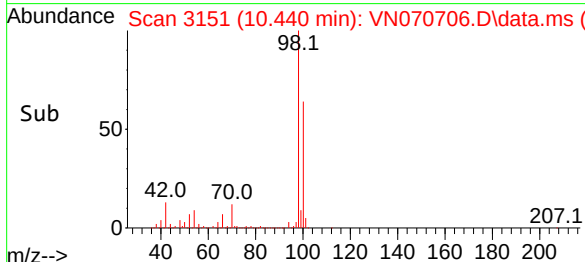
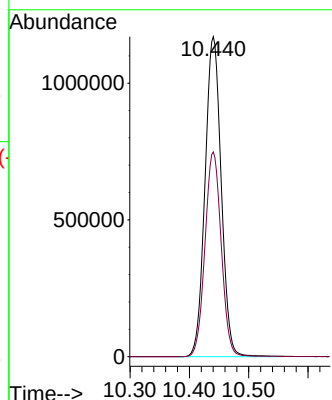
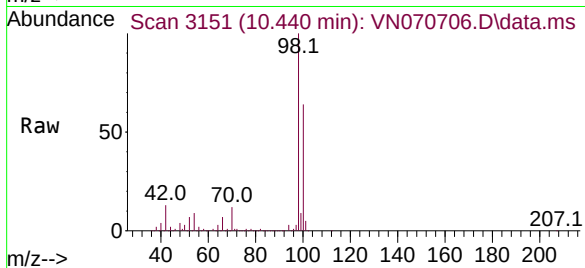
ClientSampleId :

Tgt Ion: 98 Resp: 2211162

Ion Ratio Lower Upper

98 100

100 64.1 50.4 75.6



#52

Toluene

Concen: 0.392 ug/l

RT: 10.502 min Scan# 3174

Delta R.T. 0.000 min

Lab File: VN070706.D

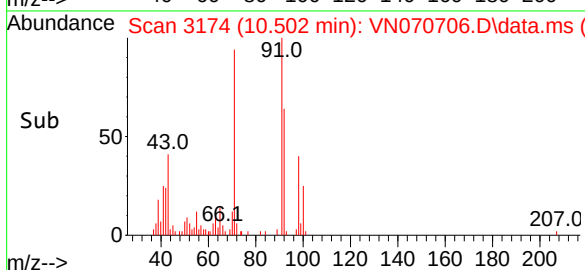
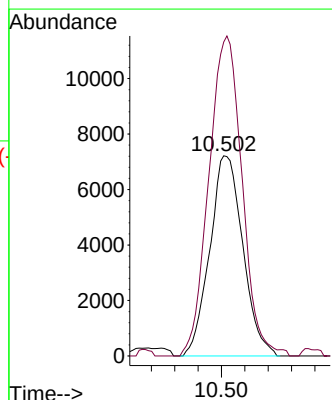
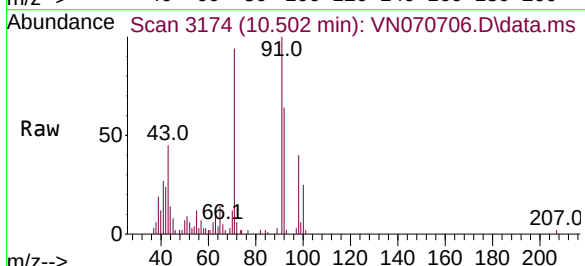
Acq: 19 Jan 2022 17:53

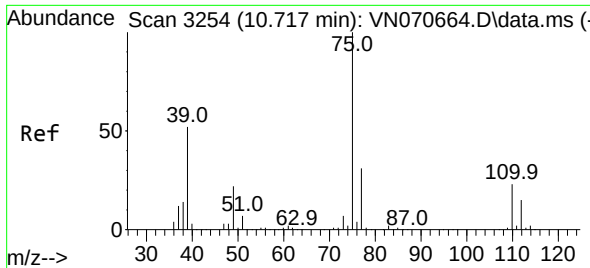
Tgt Ion: 92 Resp: 14192

Ion Ratio Lower Upper

92 100

91 160.6 142.0 213.0

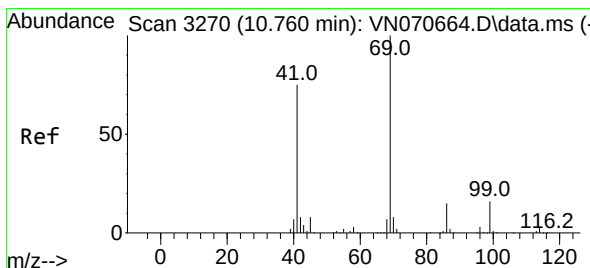
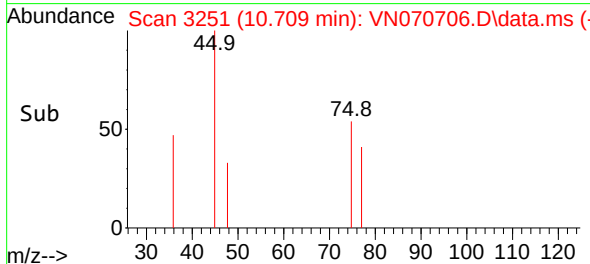
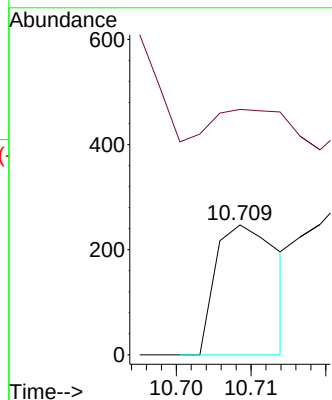
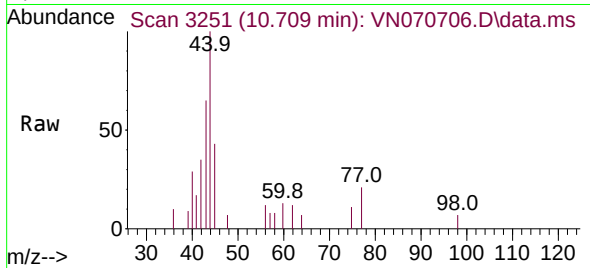




#53  
t-1,3-Dichloropropene  
Concen: 2.409 ug/l  
RT: 10.709 min Scan# 31  
Delta R.T. -0.008 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

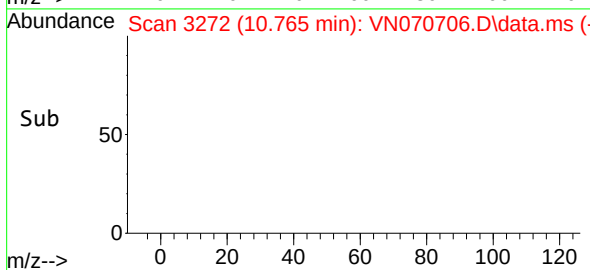
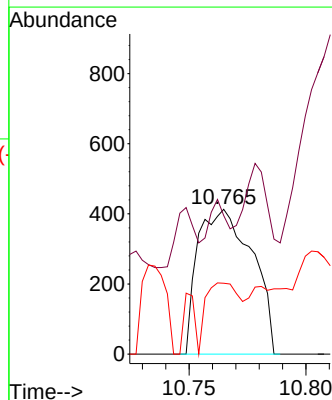
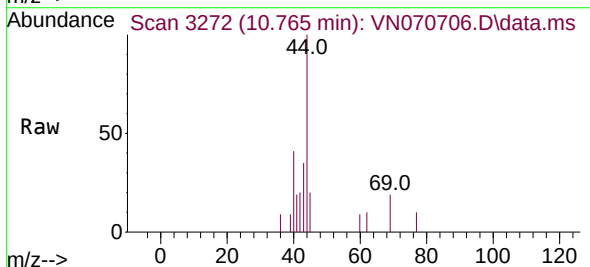
Instrument :  
MSVOA\_N  
ClientSampleId :

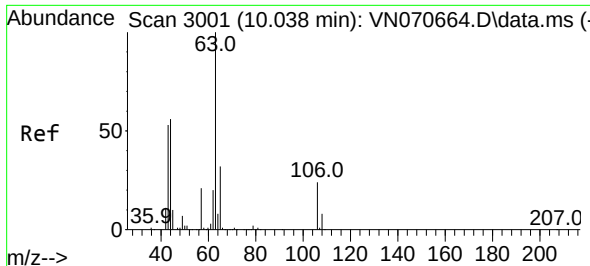
Tgt Ion: 75 Resp: 142  
Ion Ratio Lower Upper  
75 100  
77 25.1 25.6 38.4#



#56  
Ethyl methacrylate  
Concen: 2.325 ug/l  
RT: 10.765 min Scan# 3272  
Delta R.T. 0.005 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

Tgt Ion: 69 Resp: 668  
Ion Ratio Lower Upper  
69 100  
41 0.0 51.4 77.0#  
39 30.8 34.6 52.0#

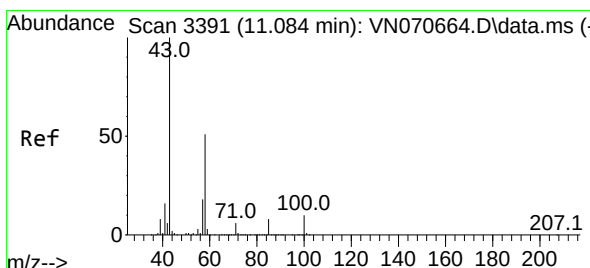
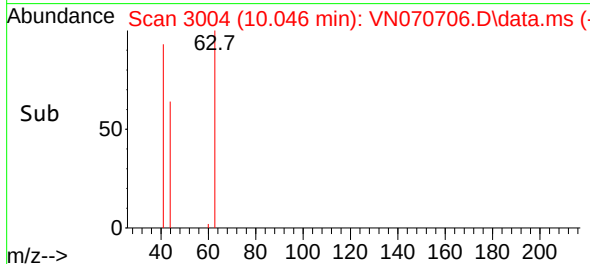
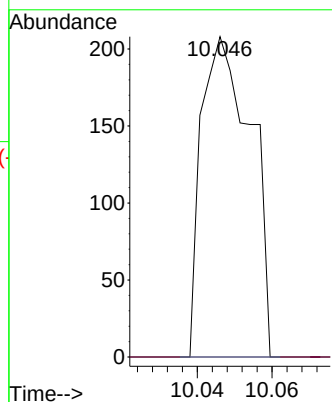
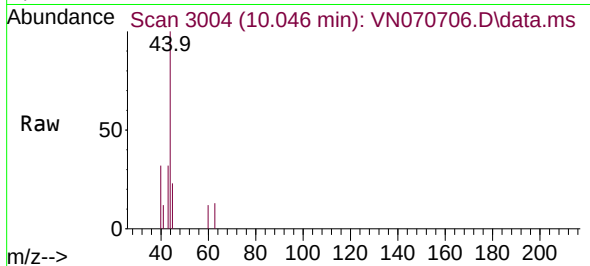




#58  
2-Chloroethyl Vinyl ether  
Concen: 21.262 ug/l  
RT: 10.046 min Scan# 3001  
Delta R.T. 0.008 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

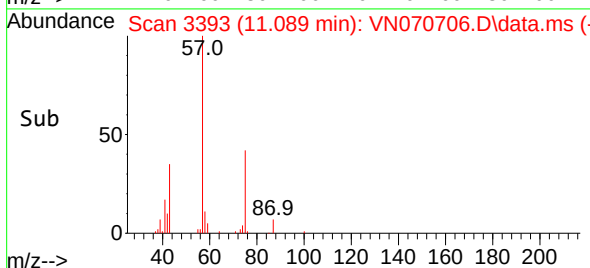
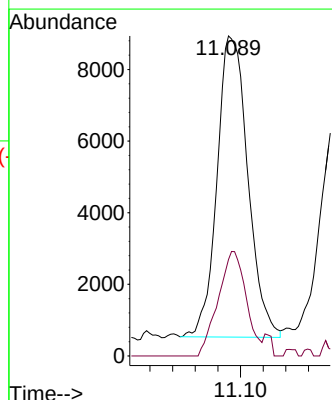
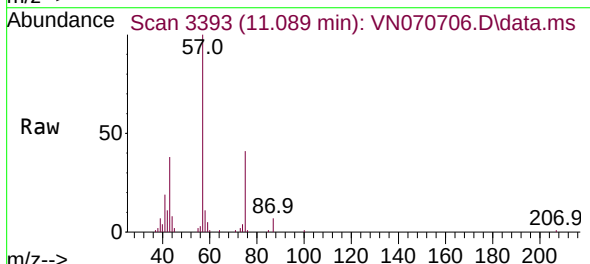
Instrument :  
MSVOA\_N  
ClientSampleId :

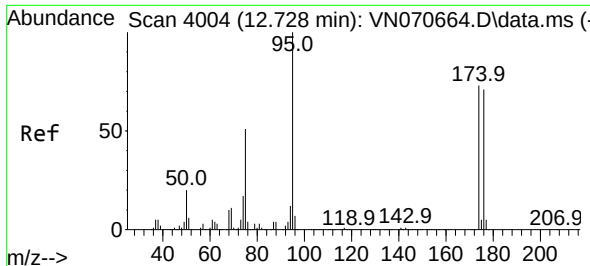
Tgt Ion: 63 Resp: 191  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.9 35.9#



#59  
2-Hexanone  
Concen: 0.865 ug/l  
RT: 11.089 min Scan# 3393  
Delta R.T. 0.005 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

Tgt Ion: 43 Resp: 15870  
Ion Ratio Lower Upper  
43 100  
58 31.6 26.9 80.7

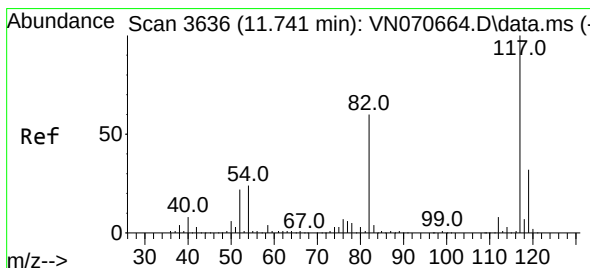
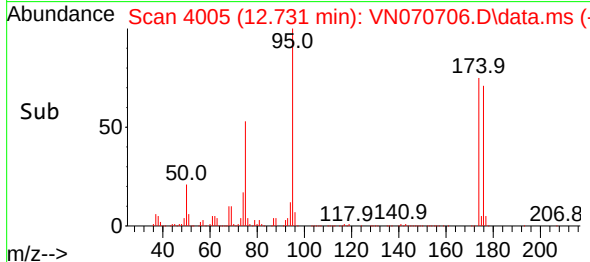
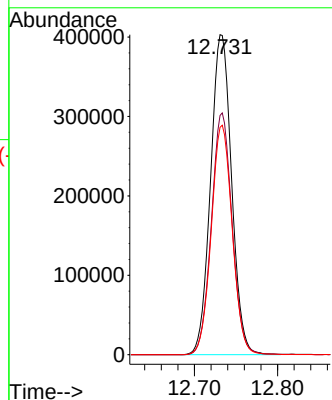
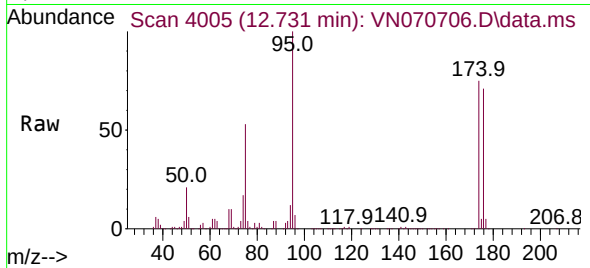




#62  
4-Bromofluorobenzene  
Concen: 40.702 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. 0.003 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

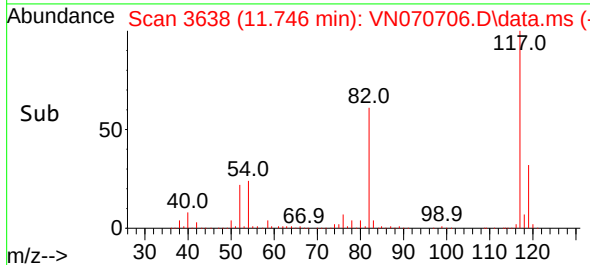
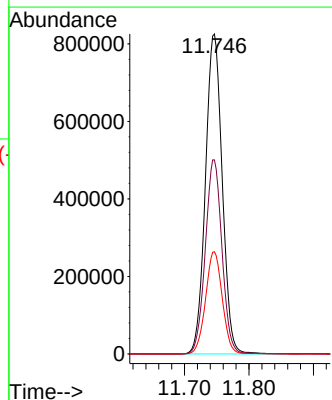
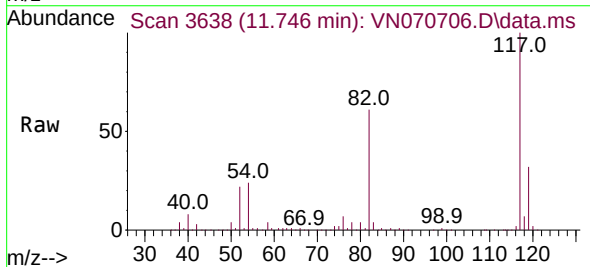
Instrument :  
MSVOA\_N  
ClientSampleId :

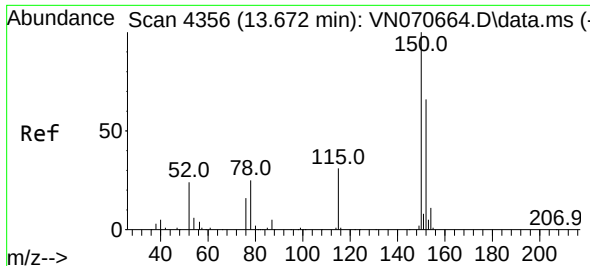
Tgt Ion: 95 Resp: 708430  
Ion Ratio Lower Upper  
95 100  
174 74.6 0.0 187.2  
176 71.5 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. 0.005 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

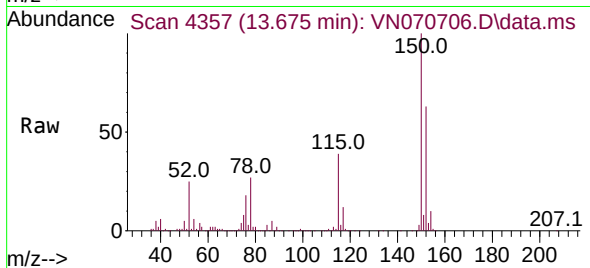
Tgt Ion: 117 Resp: 1493728  
Ion Ratio Lower Upper  
117 100  
82 60.7 42.4 63.6  
119 31.9 25.4 38.2



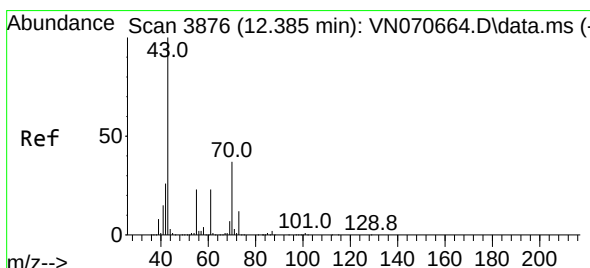
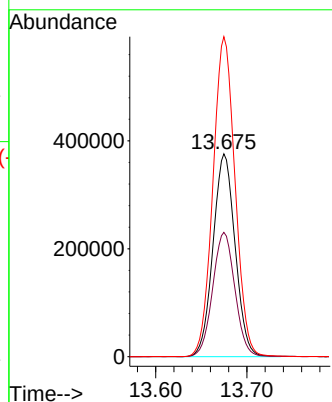
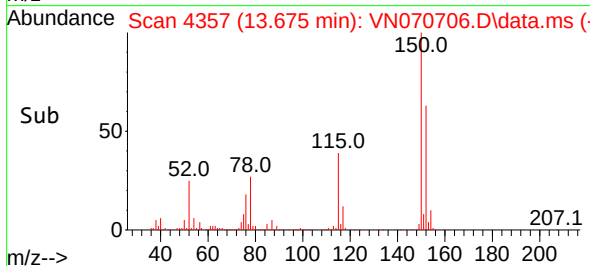


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.675 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

Instrument :  
MSVOA\_N  
ClientSampleId :

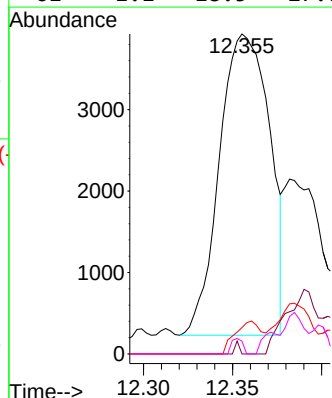
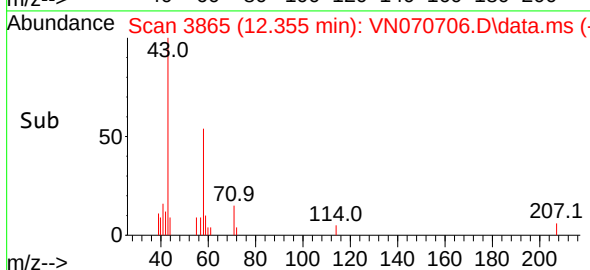
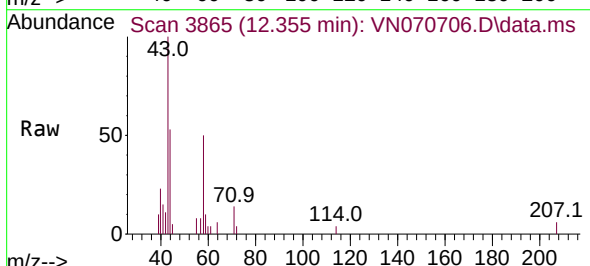


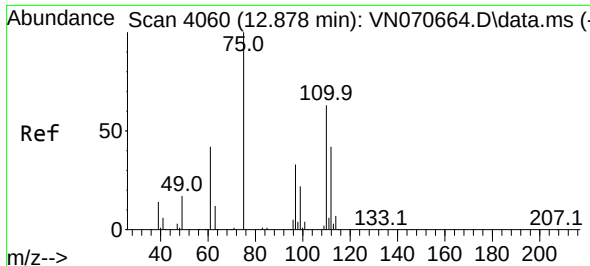
Tgt Ion:152 Resp: 633347  
Ion Ratio Lower Upper  
152 100  
115 61.7 27.5 82.5  
150 157.7 0.0 344.4



#74  
N-ethyl acetate  
Concen: 0.296 ug/l  
RT: 12.355 min Scan# 3865  
Delta R.T. -0.030 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

Tgt Ion: 43 Resp: 7250  
Ion Ratio Lower Upper  
43 100  
70 0.0 33.4 50.0#  
55 5.9 19.3 28.9#  
61 1.1 18.5 27.7#

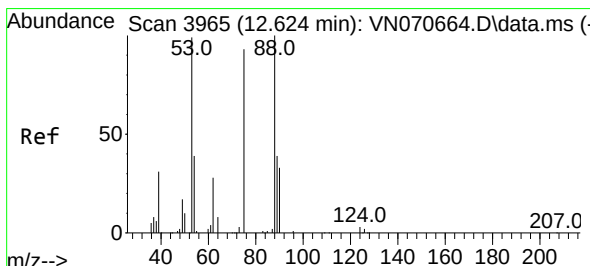
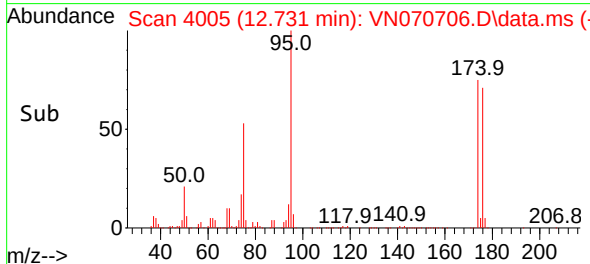
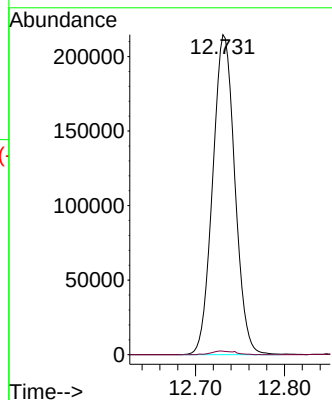
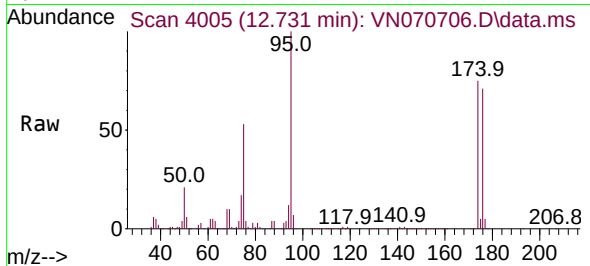




#76  
1,2,3-Trichloropropane  
Concen: 22.128 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.147 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

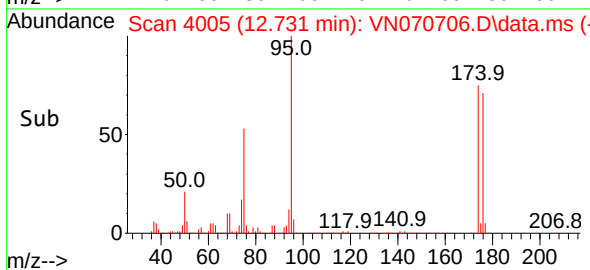
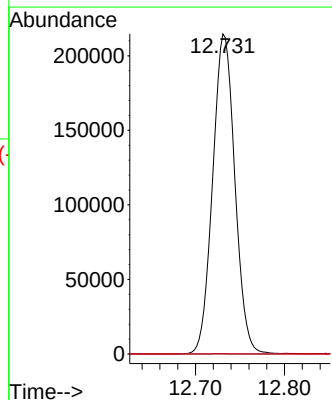
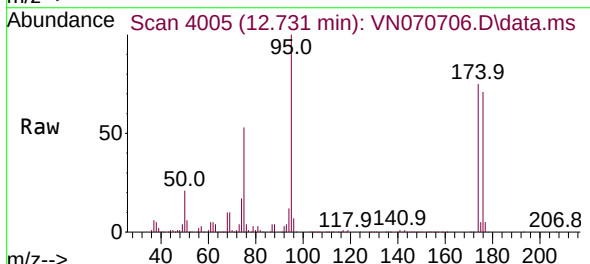
Instrument :  
MSVOA\_N  
ClientSampleId :

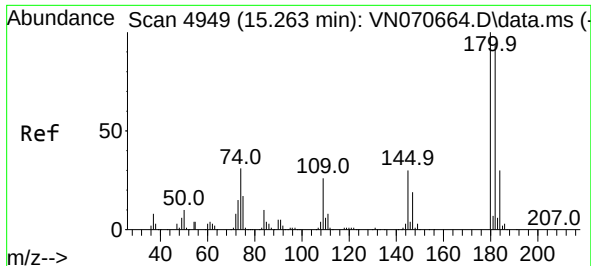
Tgt Ion: 75 Resp: 371704  
Ion Ratio Lower Upper  
75 100  
77 1.2 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.923 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. 0.107 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

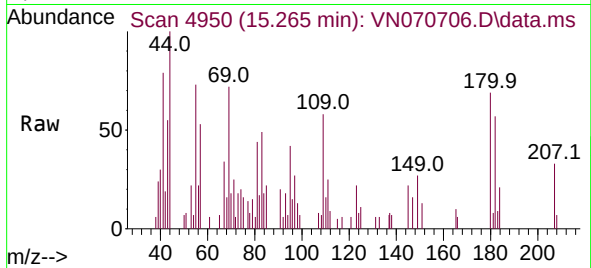
Tgt Ion: 75 Resp: 371704  
Ion Ratio Lower Upper  
75 100  
53 0.1 90.5 135.7#  
89 0.0 38.2 57.4#



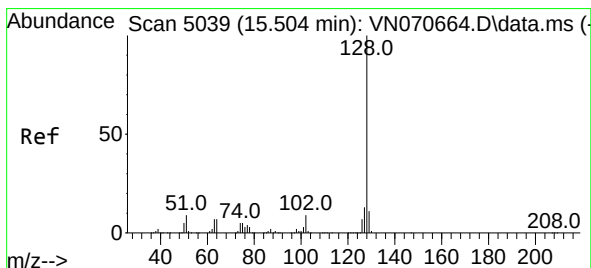
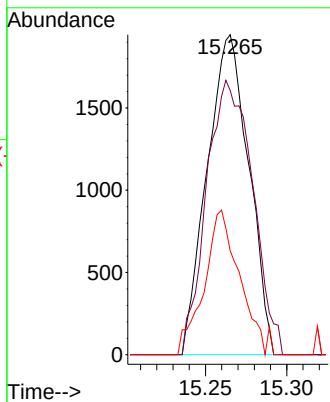
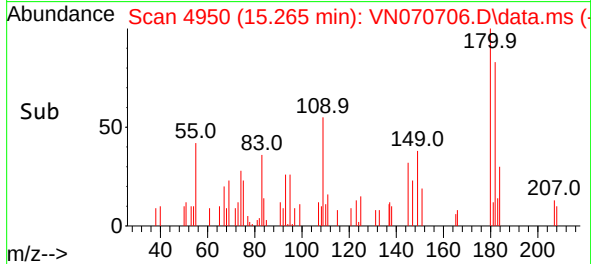


#93  
1,2,4-Trichlorobenzene  
Concen: 3.701 ug/l  
RT: 15.265 min Scan# 4949  
Delta R.T. 0.002 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53

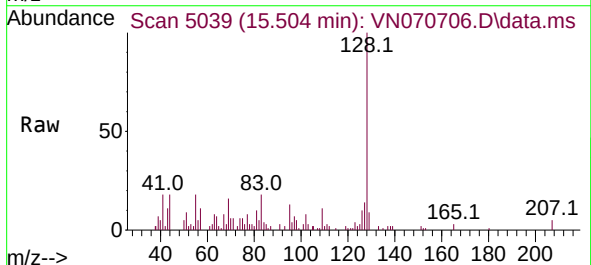
Instrument :  
MSVOA\_N  
ClientSampleId :



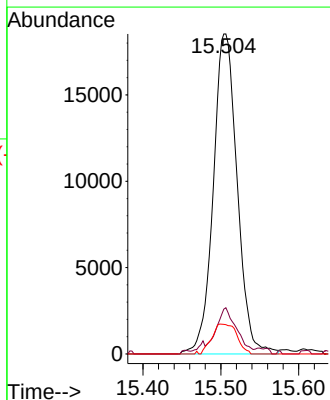
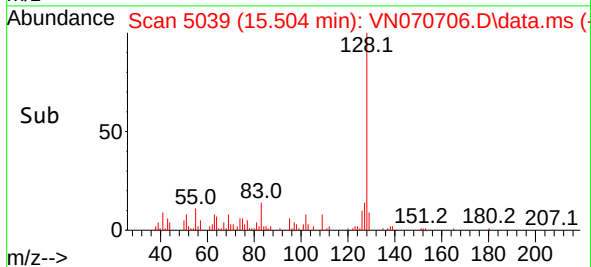
Tgt Ion:180 Resp: 3466  
Ion Ratio Lower Upper  
180 100  
182 95.0 48.3 144.9  
145 37.9 14.5 43.5



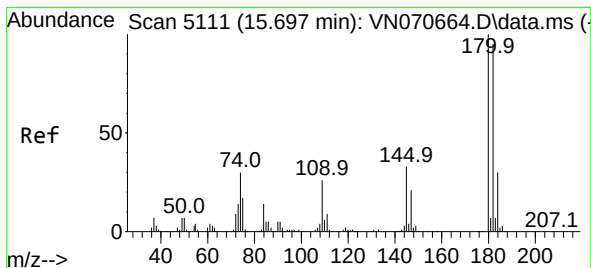
#95  
Naphthalene  
Concen: 6.033 ug/l  
RT: 15.504 min Scan# 5039  
Delta R.T. -0.000 min  
Lab File: VN070706.D  
Acq: 19 Jan 2022 17:53



Tgt Ion:128 Resp: 39514  
Ion Ratio Lower Upper  
128 100  
127 10.6 10.5 15.7  
129 9.7 8.7 13.1







#96

1,2,3-Trichlorobenzene

Concen: 3.352 ug/l

RT: 15.697 min Scan# 51

Delta R.T. -0.000 min

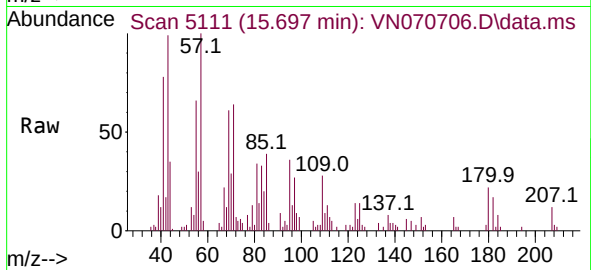
Lab File: VN070706.D

Acq: 19 Jan 2022 17:53

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion:180 Resp: 1629

Ion Ratio Lower Upper

180 100

182 266.6 47.4 142.2#

145 29.5 15.0 45.1

