

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010622\  
 Data File : VN070515.D  
 Acq On : 6 Jan 2022 13:30  
 Operator : JC/MD  
 Sample : N1021-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jan 08 01:37:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 2021  
 Response via : Initial Calibration

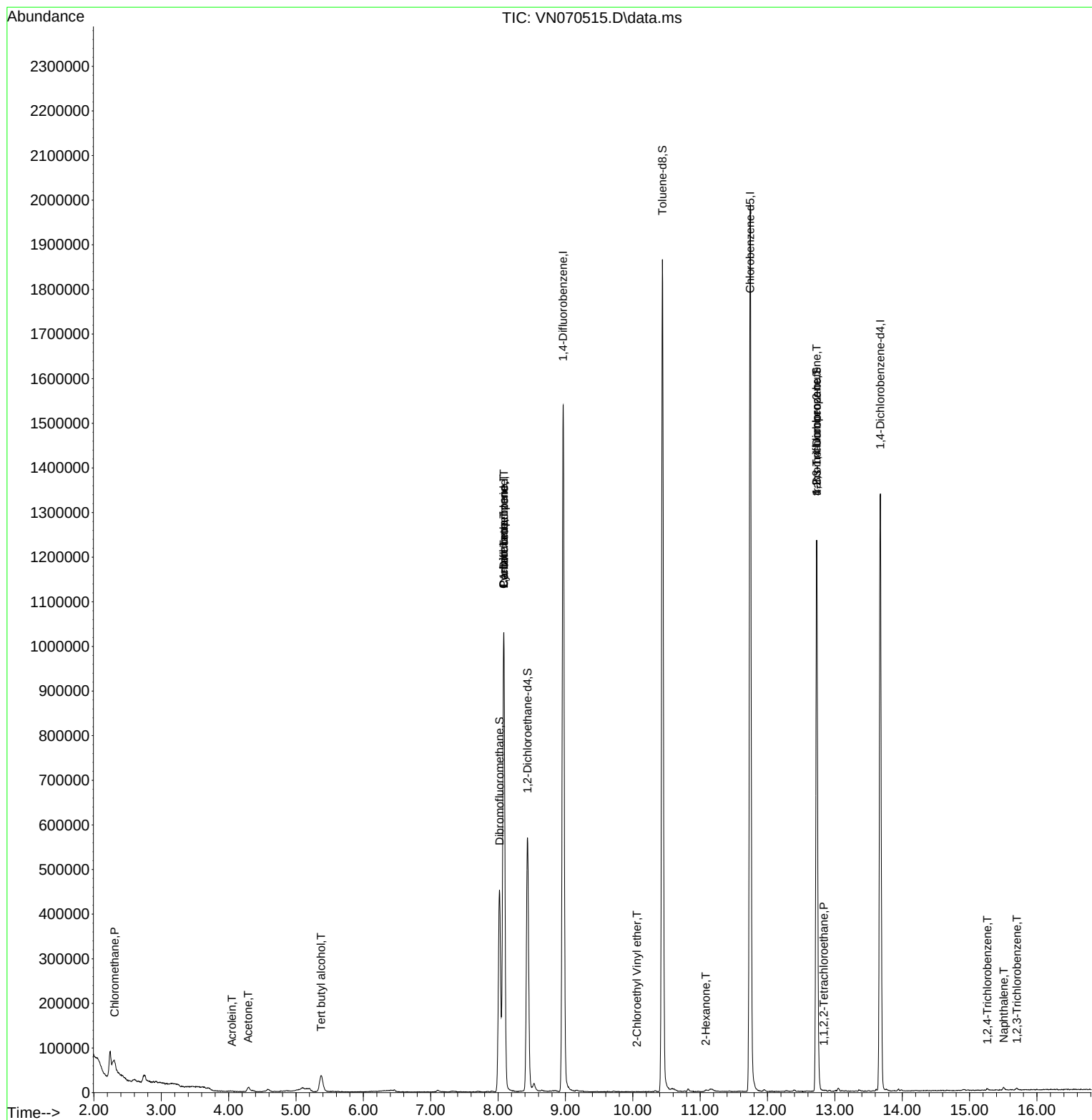
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.086  | 168   | 795217   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.966  | 114   | 1340060  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.744 | 117   | 1167916  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.675 | 152   | 379312   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.437  | 65    | 477485   | 41.761   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 83.520%  |
| 35) Dibromofluoromethane      | 8.021  | 113   | 338082   | 41.697   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 83.400%  |
| 50) Toluene-d8                | 10.441 | 98    | 1316922  | 39.760   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 79.520%  |
| 62) 4-Bromofluorobenzene      | 12.731 | 95    | 472988   | 39.537   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 79.080%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 2.306  | 50    | 4448     | 0.363    | ug/l # | 72       |
| 11) Tert butyl alcohol        | 5.372  | 59    | 65547    | 34.430   | ug/l # | 84       |
| 13) Acrolein                  | 4.047  | 56    | 343      | 0.222    | ug/l   | 98       |
| 16) Acetone                   | 4.291  | 43    | 12959    | 1.746    | ug/l   | 95       |
| 31) Cyclohexane               | 8.083  | 56    | 17636    | 0.977    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.083  | 75    | 63537    | 4.737    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.086  | 117   | 76658    | 5.985    | ug/l # | 16       |
| 58) 2-Chloroethyl Vinyl ether | 10.062 | 63    | 50       | 18.524   | ug/l # | 45       |
| 59) 2-Hexanone                | 11.084 | 43    | 3911     | 0.311    | ug/l   | 67       |
| 75) 1,1,2,2-Tetrachloroethane | 12.836 | 83    | 311      | 0.471    | ug/l # | 25       |
| 76) 1,2,3-Trichloropropane    | 12.731 | 75    | 242167   | 23.120   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.731 | 75    | 242167   | 78.002   | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 15.263 | 180   | 1611     | 0.258    | ug/l # | 79       |
| 95) Naphthalene               | 15.507 | 128   | 6255     | 2.146    | ug/l # | 92       |
| 96) 1,2,3-Trichlorobenzene    | 15.703 | 180   | 1726     | 1.110    | ug/l   | 94       |
| -----                         |        |       |          |          |        |          |

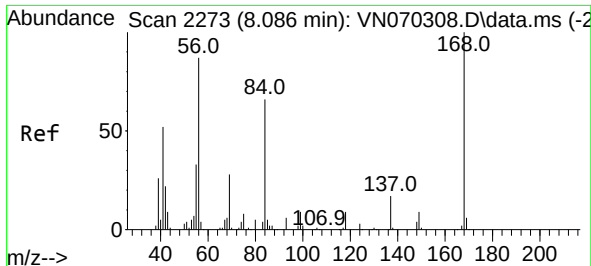
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010622\  
Data File : VN070515.D  
Acq On : 6 Jan 2022 13:30  
Operator : JC/MD  
Sample : N1021-02  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jan 08 01:37:53 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 27 18:47:12 2021  
Response via : Initial Calibration

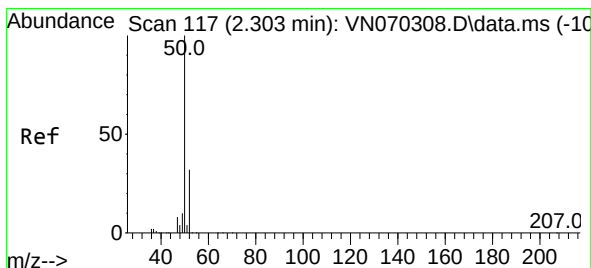
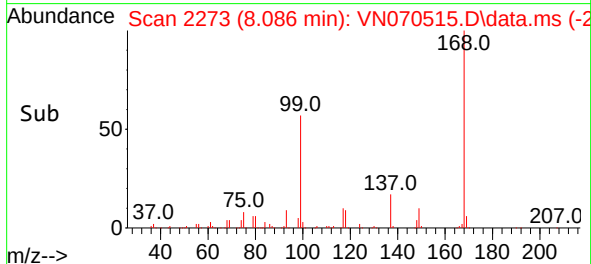
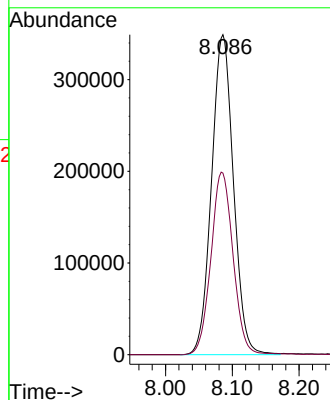
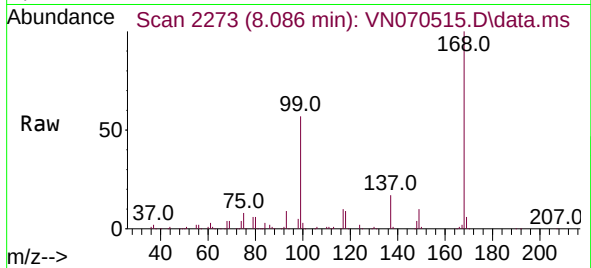




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

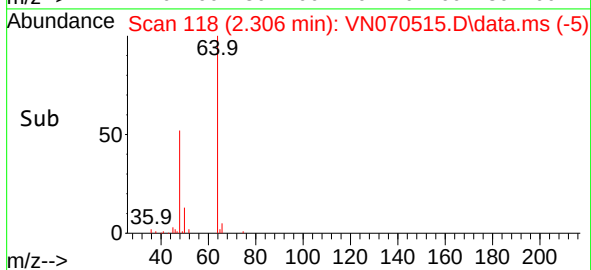
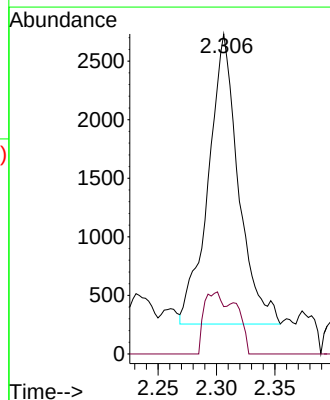
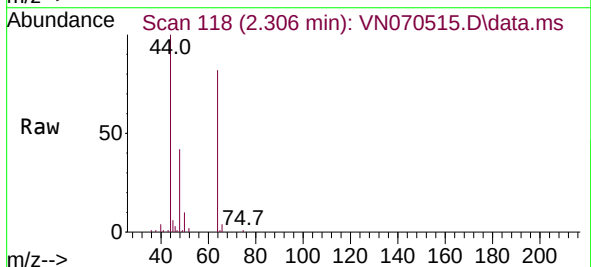
Instrument :  
MSVOA\_N  
ClientSampleId :

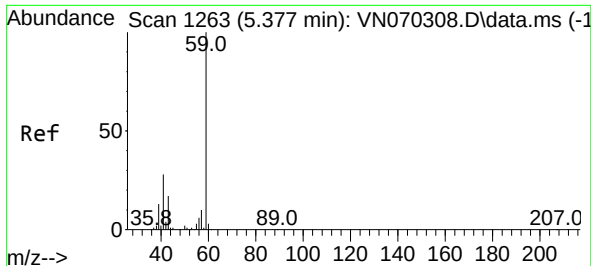
Tgt Ion:168 Resp: 795217  
Ion Ratio Lower Upper  
168 100  
99 56.8 41.3 61.9



#3  
Chloromethane  
Concen: 0.363 ug/l  
RT: 2.306 min Scan# 118  
Delta R.T. 0.003 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

Tgt Ion: 50 Resp: 4448  
Ion Ratio Lower Upper  
50 100  
52 16.4 25.4 38.0#





#11

Tert butyl alcohol

Concen: 34.430 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.005 min

Lab File: VN070515.D

Acq: 6 Jan 2022 13:30

Instrument :

MSVOA\_N

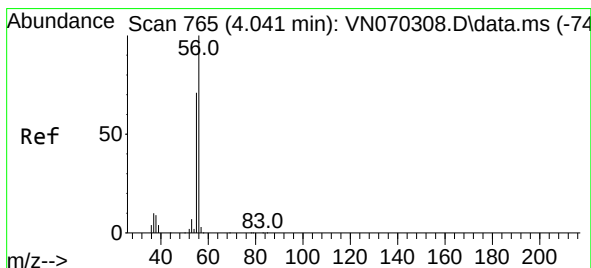
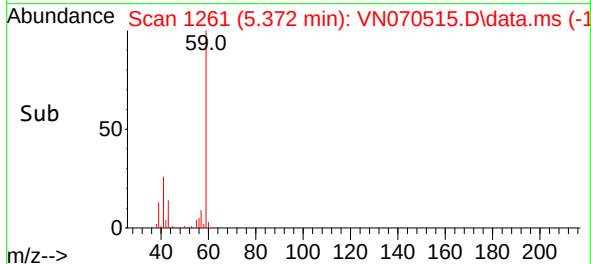
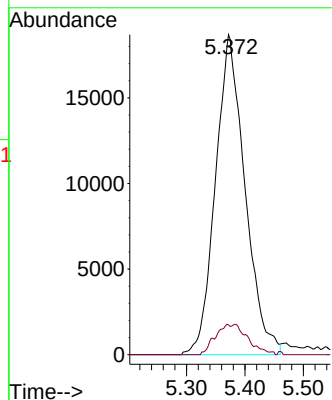
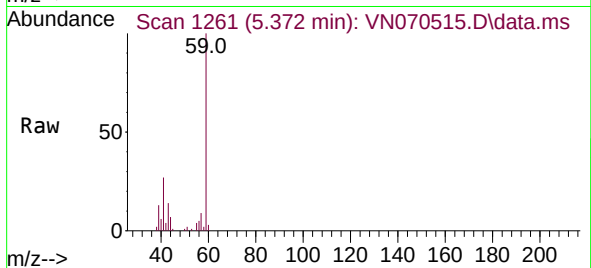
ClientSampleId :

Tgt Ion: 59 Resp: 65547

Ion Ratio Lower Upper

59 100

57 4.9 8.7 13.1#



#13

Acrolein

Concen: 0.222 ug/l

RT: 4.047 min Scan# 767

Delta R.T. 0.006 min

Lab File: VN070515.D

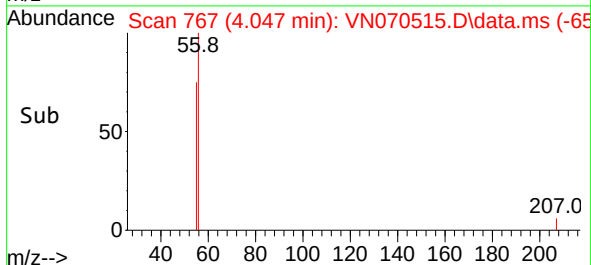
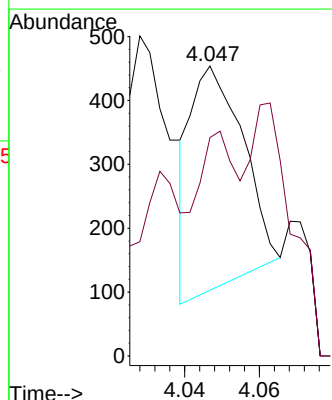
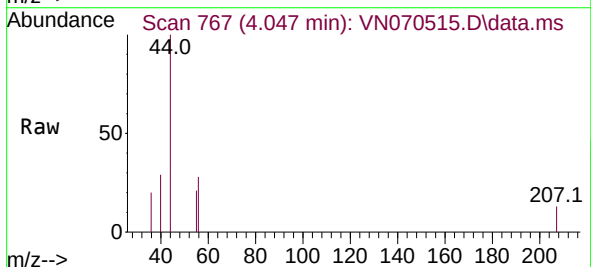
Acq: 6 Jan 2022 13:30

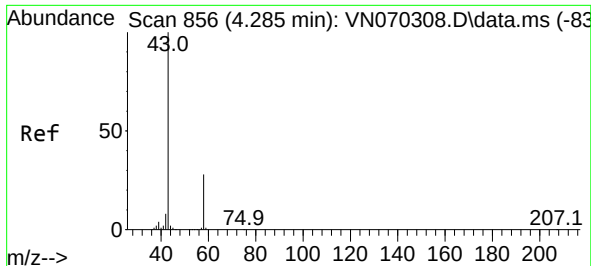
Tgt Ion: 56 Resp: 343

Ion Ratio Lower Upper

56 100

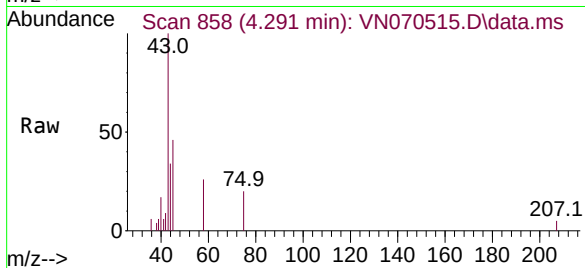
55 72.3 56.6 85.0



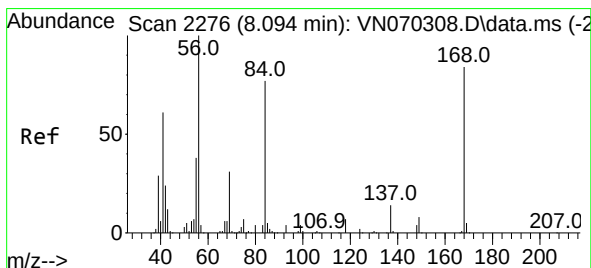
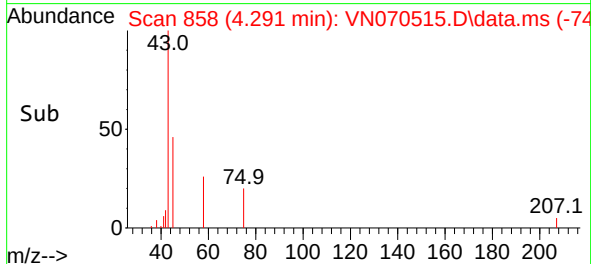
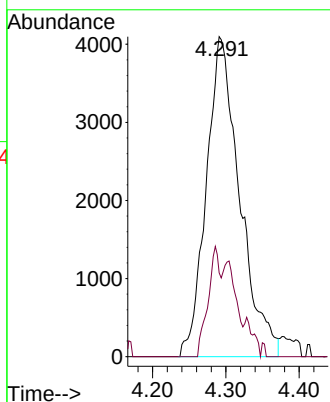


#16  
Acetone  
Concen: 1.746 ug/l  
RT: 4.291 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

Instrument :  
MSVOA\_N  
ClientSampleId :

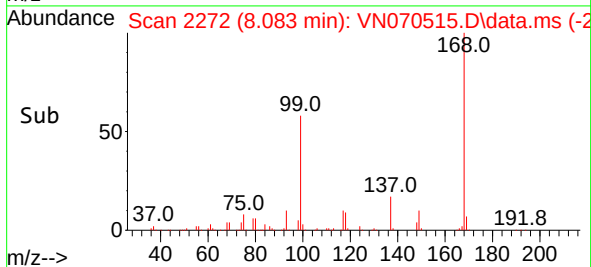
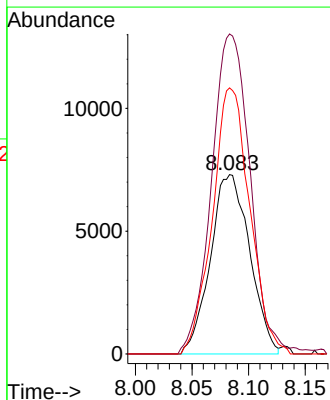
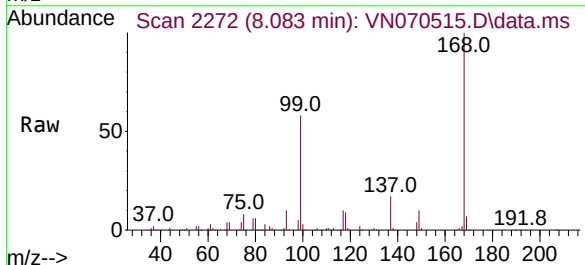


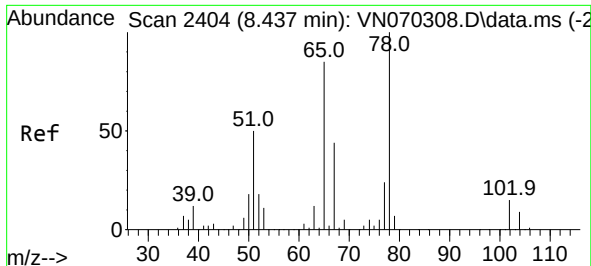
Tgt Ion: 43 Resp: 12959  
Ion Ratio Lower Upper  
43 100  
58 26.2 23.1 34.7



#31  
Cyclohexane  
Concen: 0.977 ug/l  
RT: 8.083 min Scan# 2272  
Delta R.T. -0.011 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

Tgt Ion: 56 Resp: 17636  
Ion Ratio Lower Upper  
56 100  
69 178.4 27.1 40.7#  
84 148.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 41.761 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070515.D

Acq: 6 Jan 2022 13:30

Instrument :

MSVOA\_N

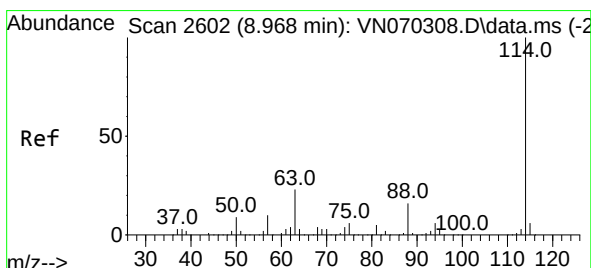
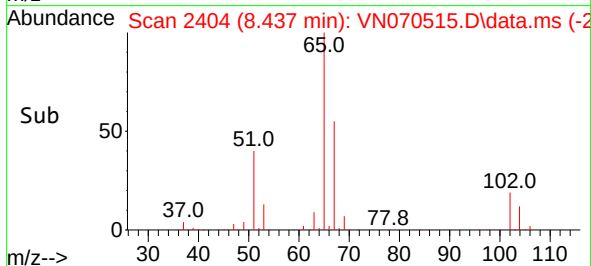
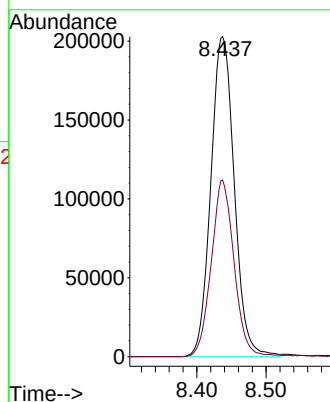
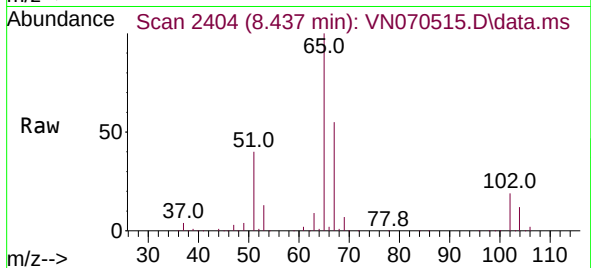
ClientSampleId :

Tgt Ion: 65 Resp: 477485

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.966 min Scan# 2601

Delta R.T. -0.002 min

Lab File: VN070515.D

Acq: 6 Jan 2022 13:30

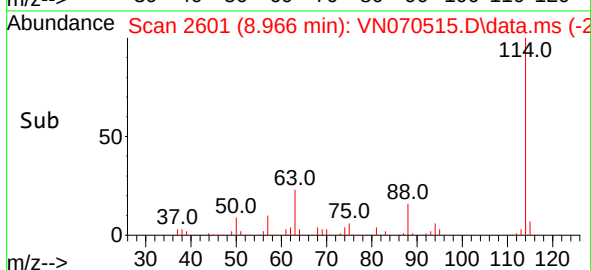
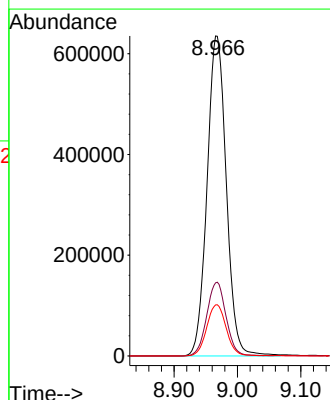
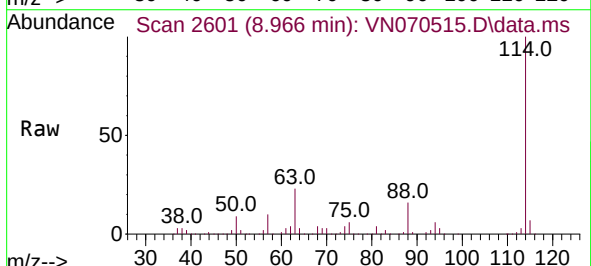
Tgt Ion: 114 Resp: 1340060

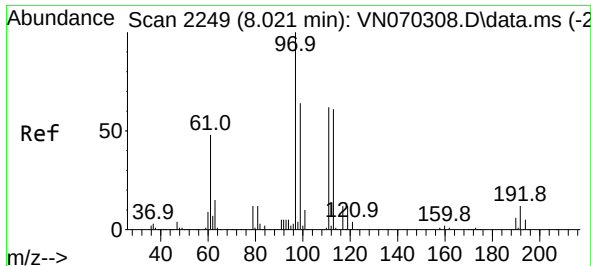
Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.8

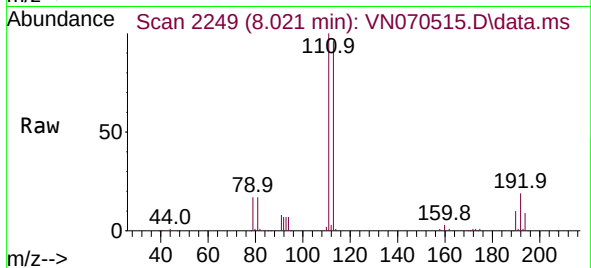
88 15.9 0.0 27.4



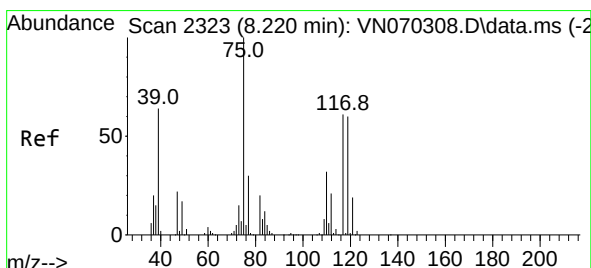
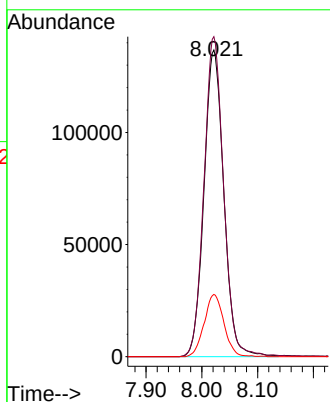
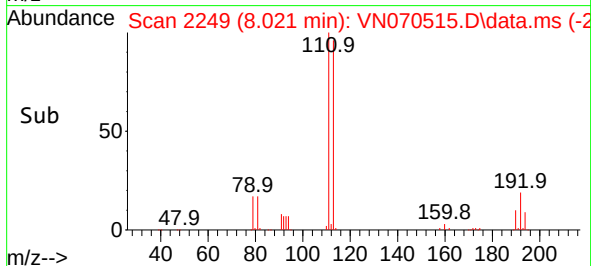


#35  
Dibromofluoromethane  
Concen: 41.697 ug/l  
RT: 8.021 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

Instrument :  
MSVOA\_N  
ClientSampleId :

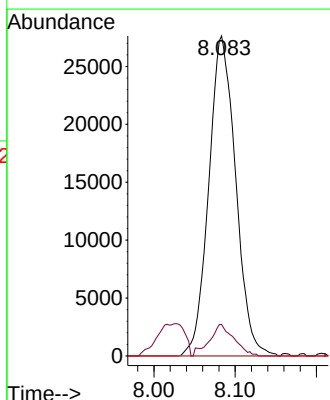
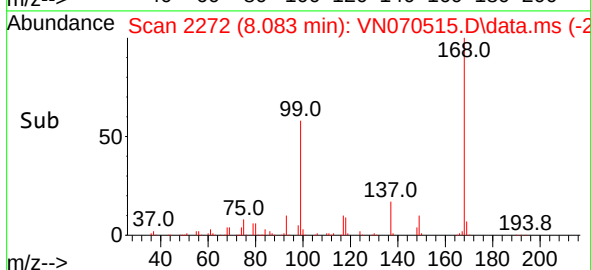
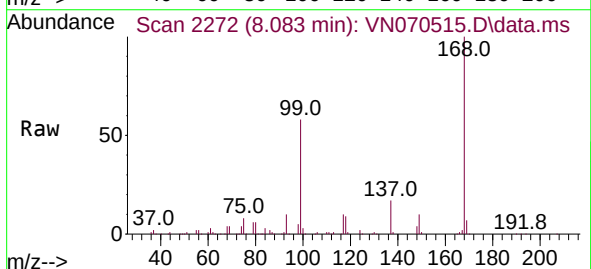


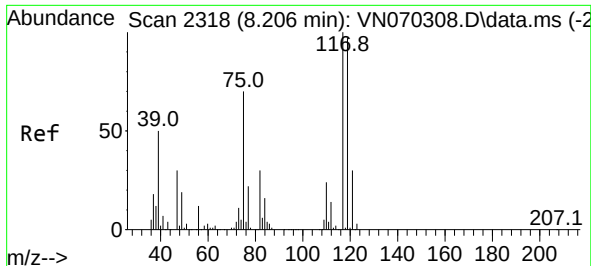
Tgt Ion:113 Resp: 338082  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.2 123.2  
192 20.2 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.737 ug/l  
RT: 8.083 min Scan# 2272  
Delta R.T. -0.137 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

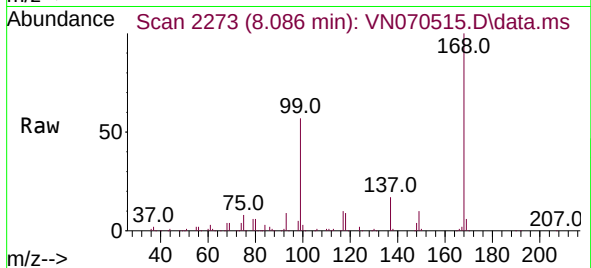
Tgt Ion: 75 Resp: 63537  
Ion Ratio Lower Upper  
75 100  
110 9.0 18.4 55.2#  
77 0.0 24.4 36.6#



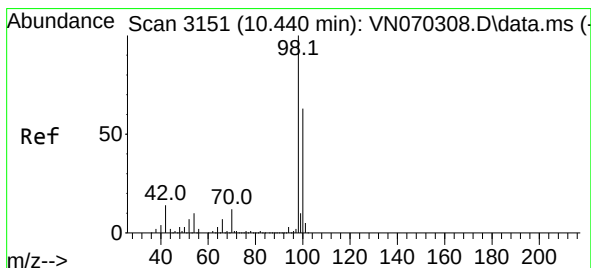
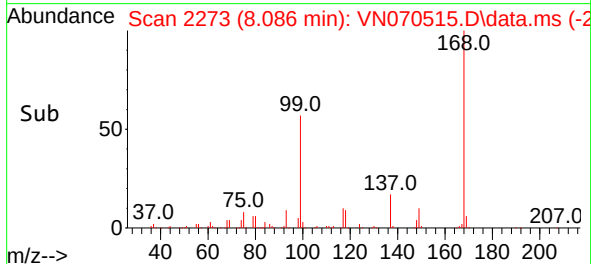
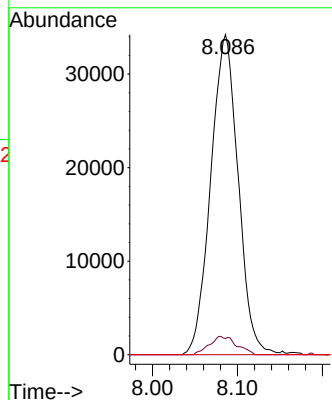


#38  
Carbon Tetrachloride  
Concen: 5.985 ug/l  
RT: 8.086 min Scan# 211  
Delta R.T. -0.120 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

Instrument :  
MSVOA\_N  
ClientSampleId :

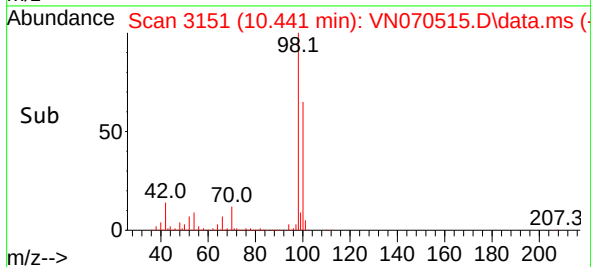
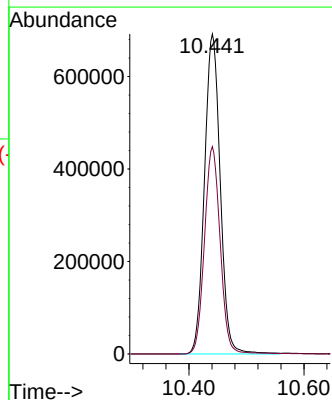
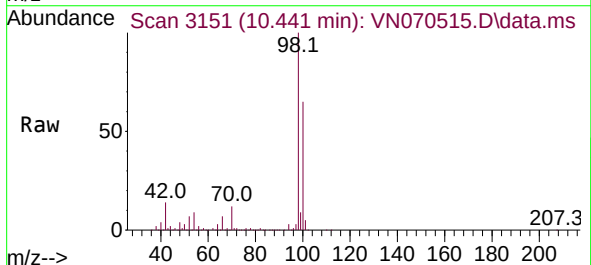


Tgt Ion:117 Resp: 76658  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.1 114.1#  
121 0.0 24.2 36.2#

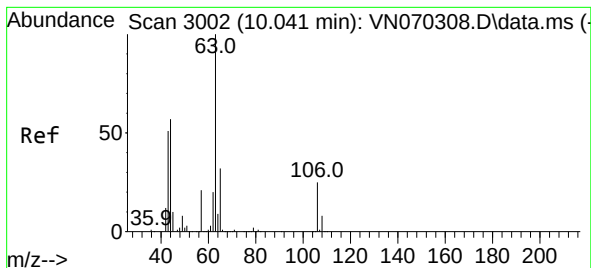


#50  
Toluene-d8  
Concen: 39.760 ug/l  
RT: 10.441 min Scan# 3151  
Delta R.T. 0.001 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

Tgt Ion: 98 Resp: 1316922  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.4 75.6



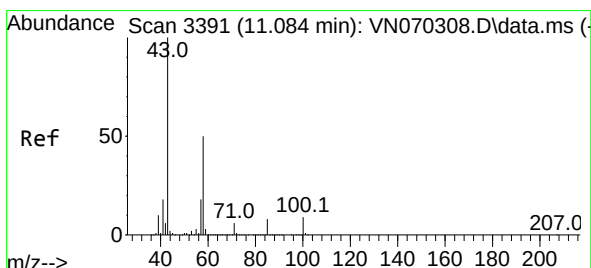
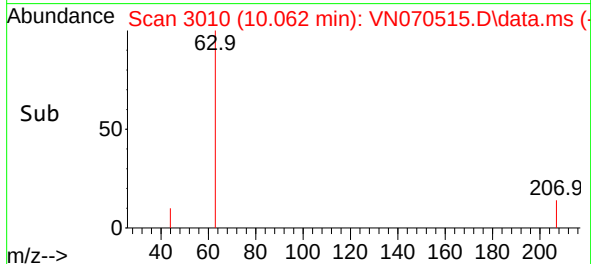
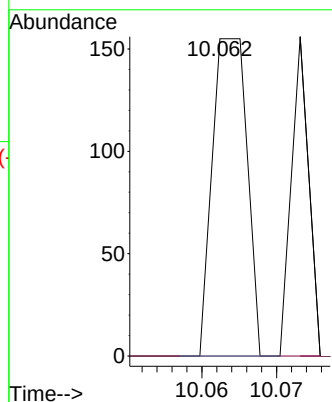
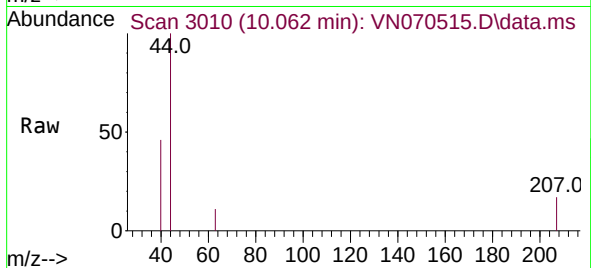




#58  
2-Chloroethyl Vinyl ether  
Concen: 18.524 ug/l  
RT: 10.062 min Scan# 3002  
Delta R.T. 0.021 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

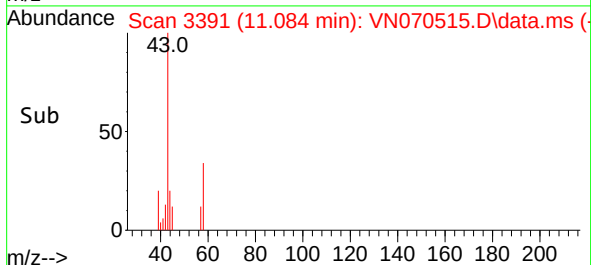
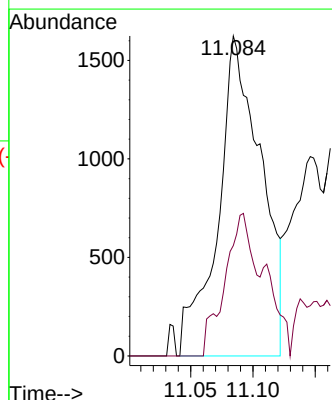
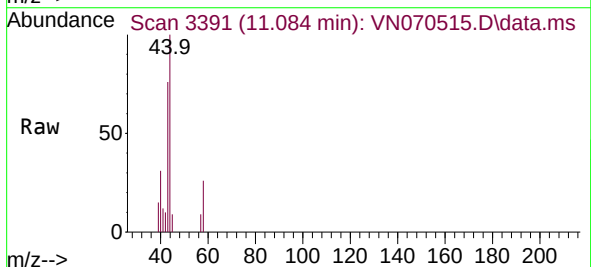
Instrument :  
MSVOA\_N  
ClientSampleId :

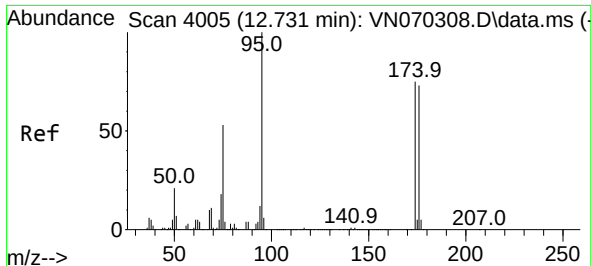
Tgt Ion: 63 Resp: 50  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.9 35.9#



#59  
2-Hexanone  
Concen: 0.311 ug/l  
RT: 11.084 min Scan# 3391  
Delta R.T. 0.000 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

Tgt Ion: 43 Resp: 3911  
Ion Ratio Lower Upper  
43 100  
58 30.4 26.9 80.7

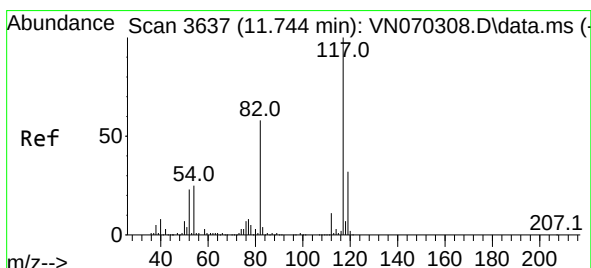
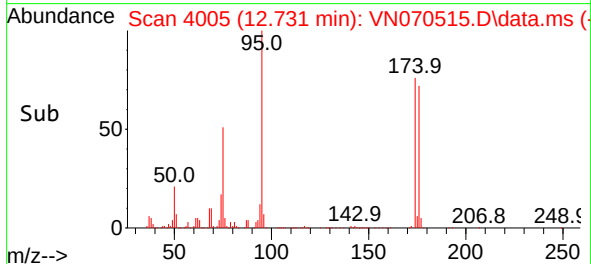
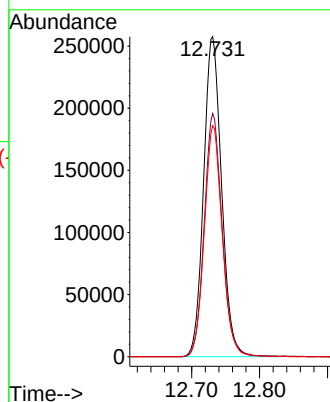
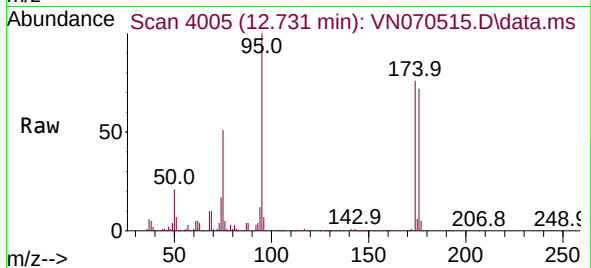




#62  
4-Bromofluorobenzene  
Concen: 39.537 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

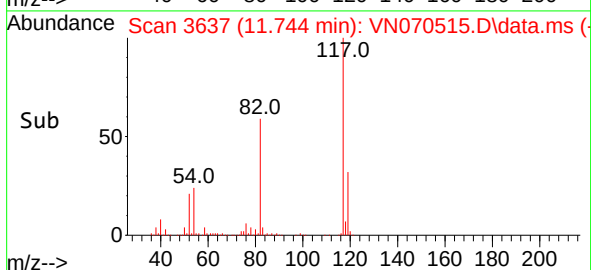
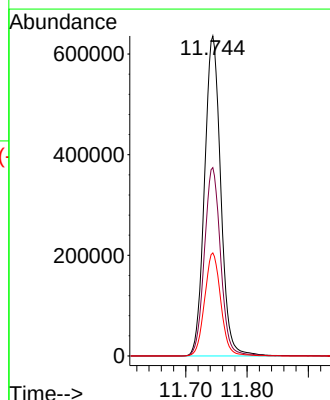
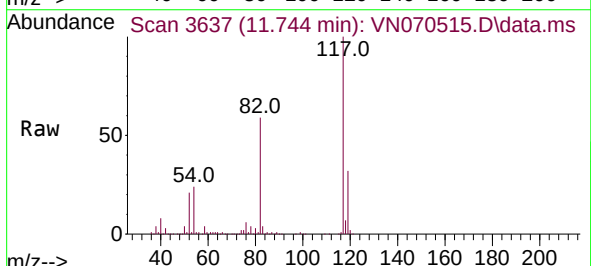
Instrument :  
MSVOA\_N  
ClientSampleId :

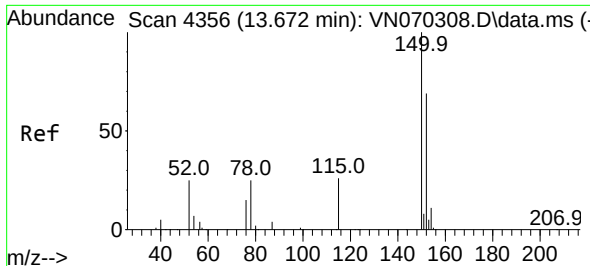
Tgt Ion: 95 Resp: 472988  
Ion Ratio Lower Upper  
95 100  
174 75.8 0.0 187.2  
176 72.3 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.744 min Scan# 3637  
Delta R.T. 0.000 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

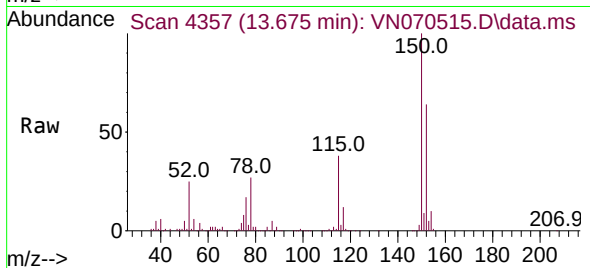
Tgt Ion: 117 Resp: 1167916  
Ion Ratio Lower Upper  
117 100  
82 58.8 42.4 63.6  
119 32.2 25.4 38.2



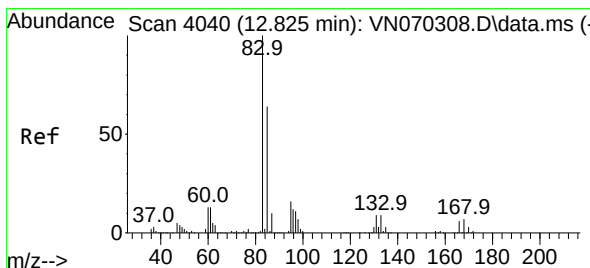
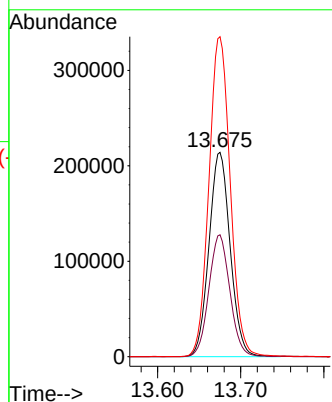
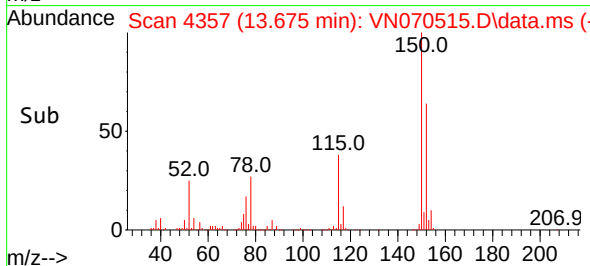


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.675 min Scan# 41  
 Delta R.T. 0.003 min  
 Lab File: VN070515.D  
 Acq: 6 Jan 2022 13:30

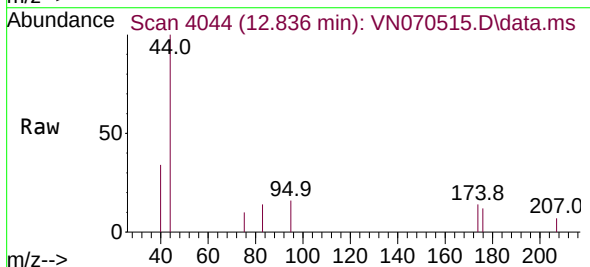
Instrument :  
 MSVOA\_N  
 ClientSampleId :



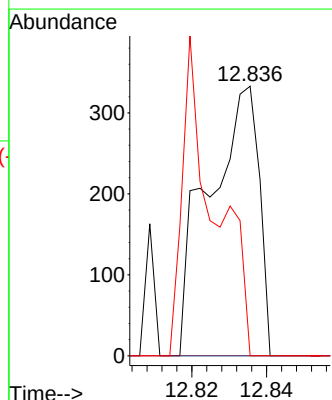
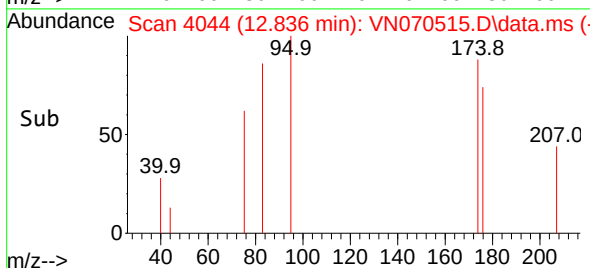
Tgt Ion:152 Resp: 379312  
 Ion Ratio Lower Upper  
 152 100  
 115 58.9 27.5 82.5  
 150 157.5 0.0 344.4

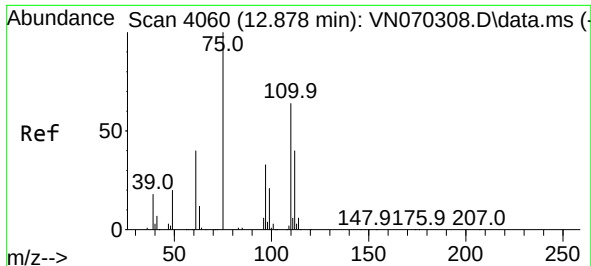


#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 0.471 ug/l  
 RT: 12.836 min Scan# 4044  
 Delta R.T. 0.011 min  
 Lab File: VN070515.D  
 Acq: 6 Jan 2022 13:30



Tgt Ion: 83 Resp: 311  
 Ion Ratio Lower Upper  
 83 100  
 131 0.0 5.5 16.5#  
 85 0.0 32.4 97.2#

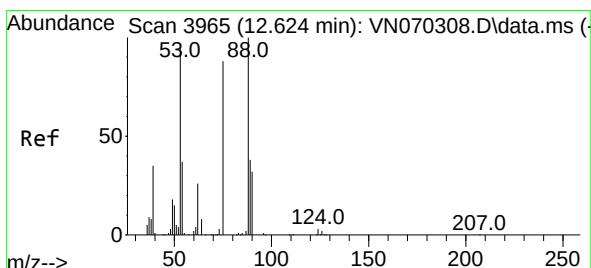
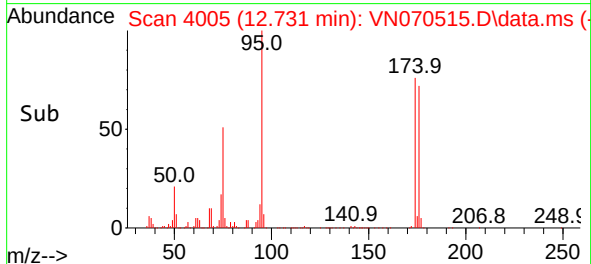
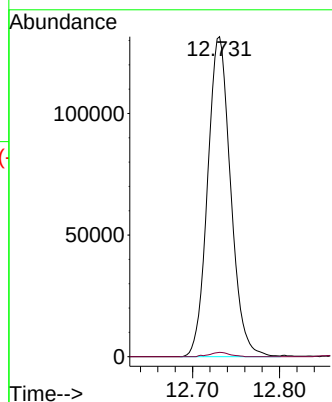
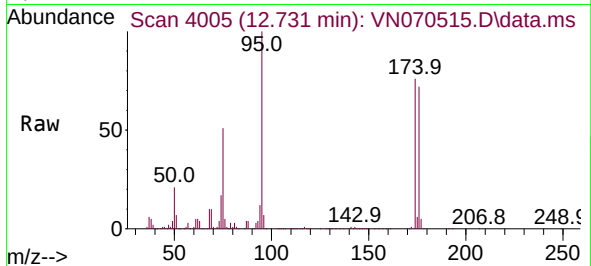




#76  
1,2,3-Trichloropropane  
Concen: 23.120 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.147 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

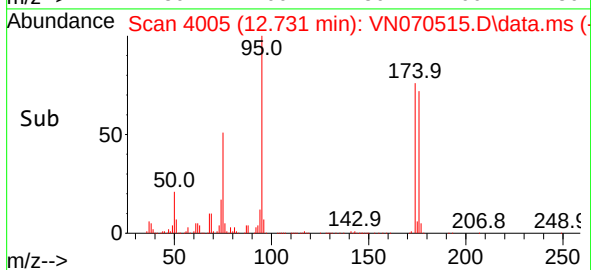
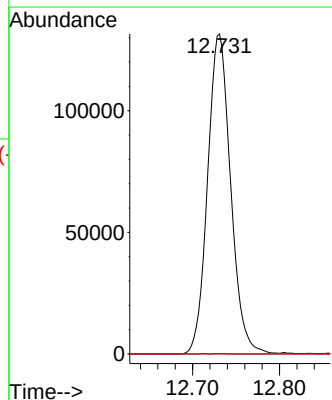
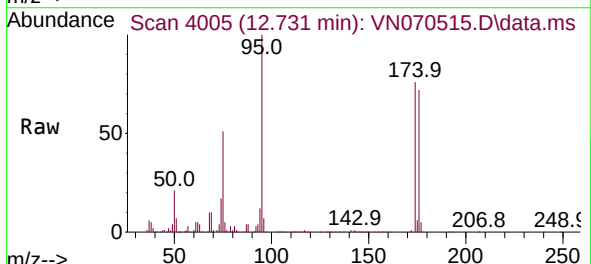
Instrument :  
MSVOA\_N  
ClientSampleId :

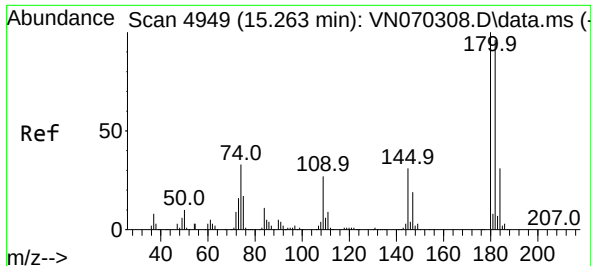
Tgt Ion: 75 Resp: 242167  
Ion Ratio Lower Upper  
75 100  
77 1.2 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.002 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. 0.107 min  
Lab File: VN070515.D  
Acq: 6 Jan 2022 13:30

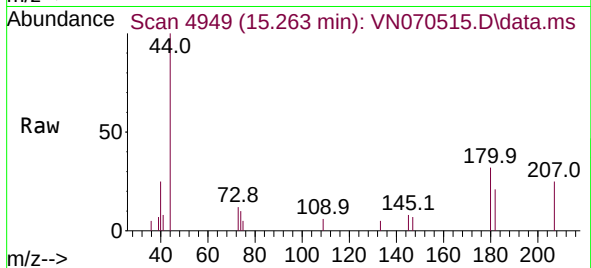
Tgt Ion: 75 Resp: 242167  
Ion Ratio Lower Upper  
75 100  
53 0.1 90.5 135.7#  
89 0.0 38.2 57.4#



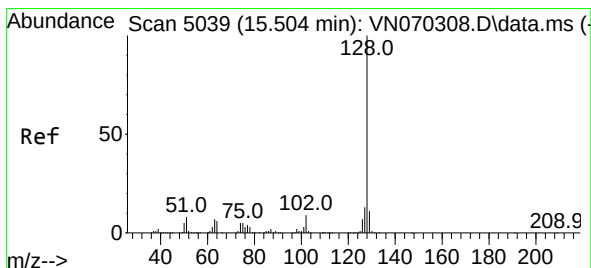
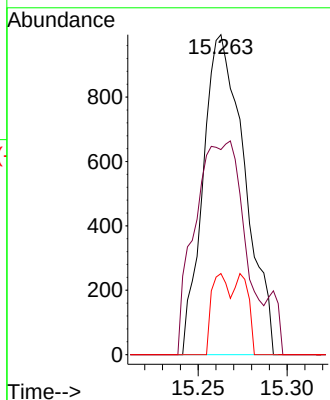
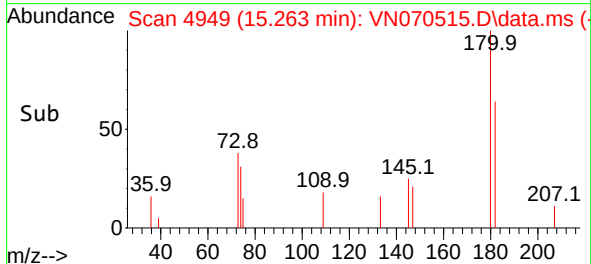


#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.258 ug/l  
 RT: 15.263 min Scan# 4949  
 Delta R.T. -0.000 min  
 Lab File: VN070515.D  
 Acq: 6 Jan 2022 13:30

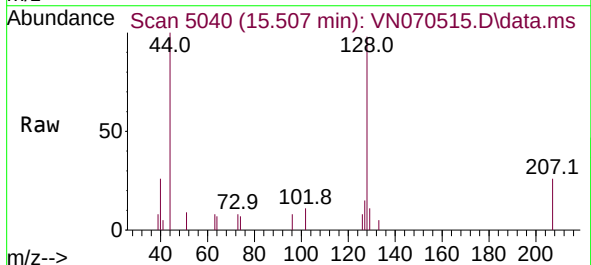
Instrument :  
 MSVOA\_N  
 ClientSampleId :



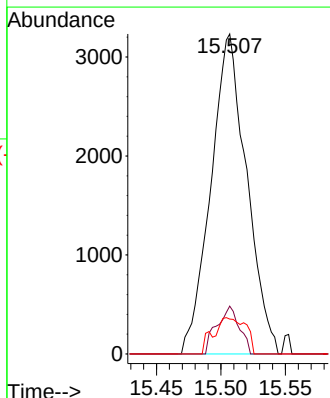
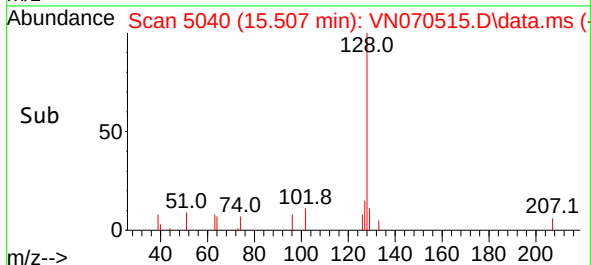
Tgt Ion:180 Resp: 1611  
 Ion Ratio Lower Upper  
 180 100  
 182 79.7 48.3 144.9  
 145 10.9 14.5 43.5#

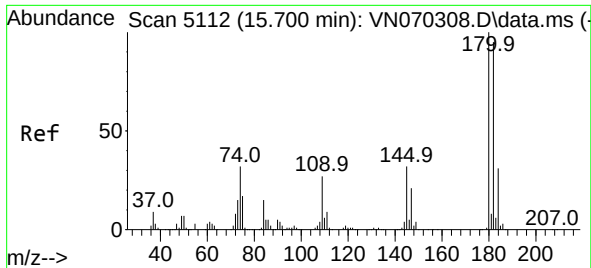


#95  
 Naphthalene  
 Concen: 2.146 ug/l  
 RT: 15.507 min Scan# 5040  
 Delta R.T. 0.003 min  
 Lab File: VN070515.D  
 Acq: 6 Jan 2022 13:30



Tgt Ion:128 Resp: 6255  
 Ion Ratio Lower Upper  
 128 100  
 127 9.4 10.5 15.7#  
 129 8.6 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 1.110 ug/l

RT: 15.703 min Scan# 5113

Delta R.T. 0.003 min

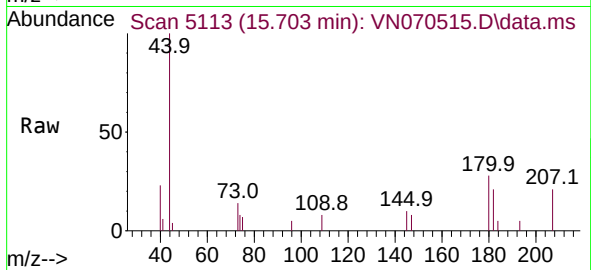
Lab File: VN070515.D

Acq: 6 Jan 2022 13:30

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion:180 Resp: 1726

Ion Ratio Lower Upper

180 100

182 96.8 47.4 142.2

145 20.7 15.0 45.1

