

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012821\  
 Data File : VN065661.D  
 Acq On : 28 Jan 2021 19:56  
 Operator : JC/MD  
 Sample : M1254-08  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CRT-5

Quant Time: Jan 29 01:26:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:47:28 2021  
 Response via : Initial Calibration

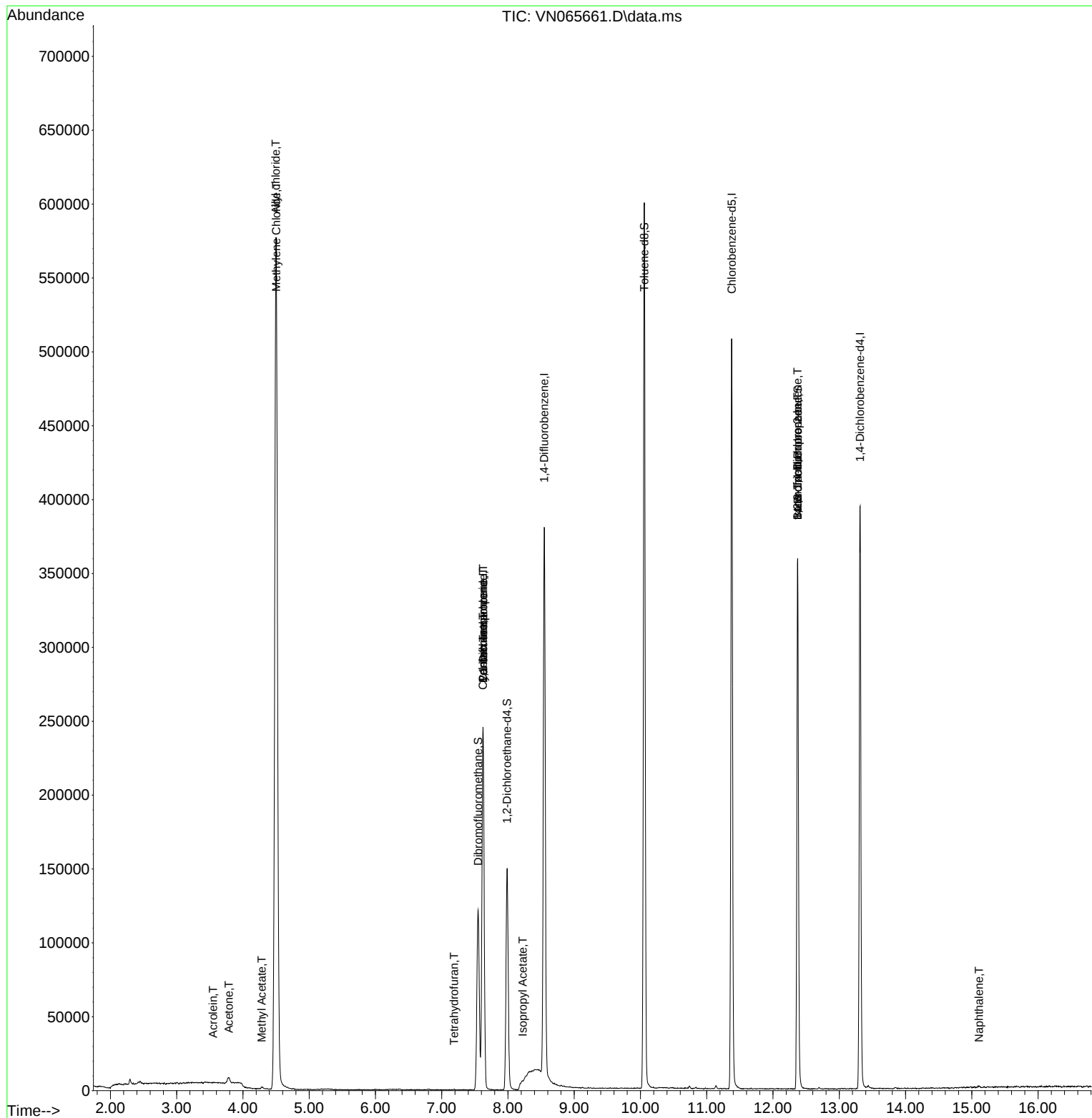
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.624  | 168   | 199131   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.547  | 114   | 348173   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.376 | 117   | 302498   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.315 | 152   | 112341   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.987  | 65    | 126579   | 48.32    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 96.64%   |
| 35) Dibromofluoromethane      | 7.550  | 113   | 99171    | 48.07    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 96.14%   |
| 50) Toluene-d8                | 10.058 | 98    | 431833   | 53.25    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 106.50%  |
| 62) 4-Bromofluorobenzene      | 12.373 | 95    | 143950   | 49.29    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 98.58%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acrolein                  | 3.550  | 56    | 66       | 18.23    | ug/l # | 1        |
| 14) Allyl chloride            | 4.496  | 41    | 17791    | 3.96     | ug/l # | 25       |
| 16) Acetone                   | 3.785  | 43    | 5995     | 5.88     | ug/l   | 96       |
| 18) Methyl Acetate            | 4.283  | 43    | 1436     | 0.50     | ug/l   | 98       |
| 20) Methylene Chloride        | 4.502  | 84    | 430459   | 152.42   | ug/l   | 97       |
| 29) Tetrahydrofuran           | 7.187  | 42    | 529      | 0.46     | ug/l # | 32       |
| 31) Cyclohexane               | 7.621  | 56    | 3920     | 0.80     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.624  | 75    | 16102    | 4.60     | ug/l # | 43       |
| 38) Carbon Tetrachloride      | 7.624  | 117   | 18702    | 6.48     | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.222  | 43    | 6624     | 1.11     | ug/l # | 53       |
| 71) Bromoform                 | 12.370 | 173   | 804      | 0.52     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.370 | 75    | 66323    | 22.58    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.370 | 75    | 66323    | 57.83    | ug/l # | 12       |
| 95) Naphthalene               | 15.109 | 128   | 1094     | 3.59     | ug/l # | 69       |
| -----                         |        |       |          |          |        |          |

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

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Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:47:28 2021  
Response via : Initial Calibration

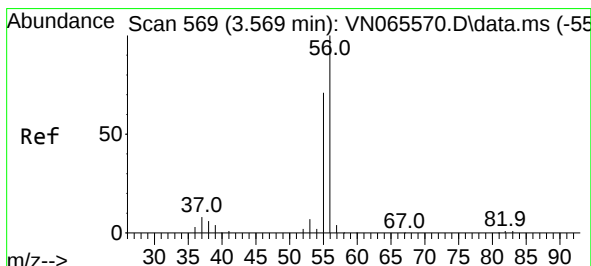
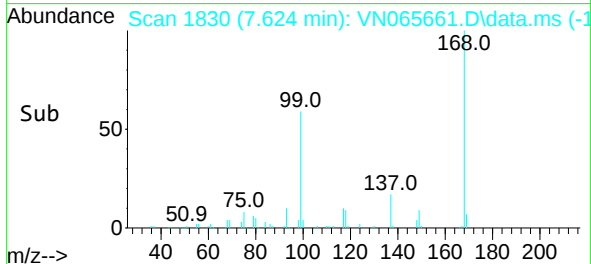
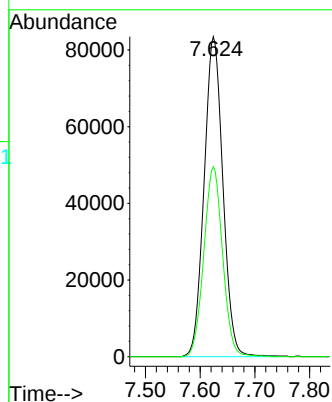
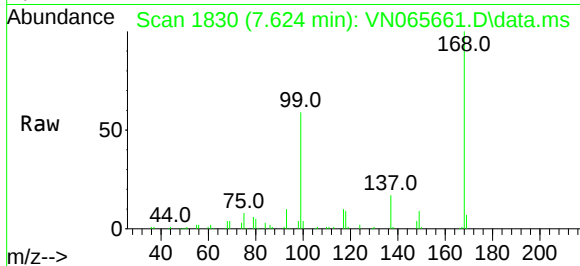




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

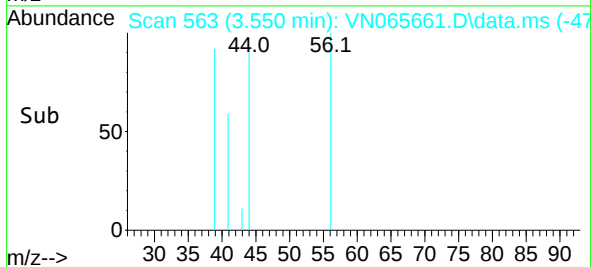
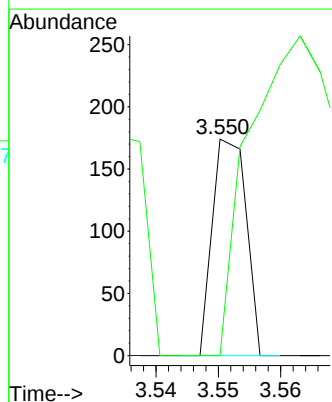
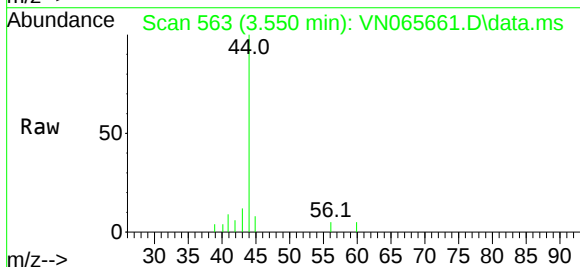
Instrument :  
MSVOA\_N  
ClientSampled :  
CRT-5

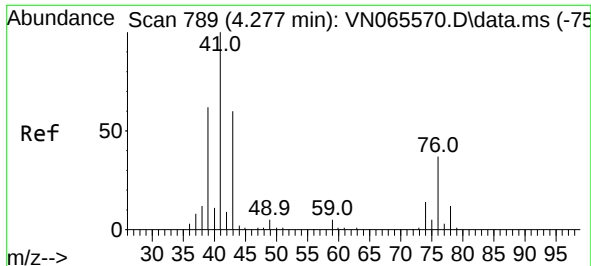
Tgt Ion:168 Resp: 199131  
Ion Ratio Lower Upper  
168 100  
99 59.4 42.6 63.8



#13  
Acrolein  
Concen: 18.23 ug/l  
RT: 3.550 min Scan# 563  
Delta R.T. -0.019 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

Tgt Ion: 56 Resp: 66  
Ion Ratio Lower Upper  
56 100  
55 368.2 56.0 84.0#

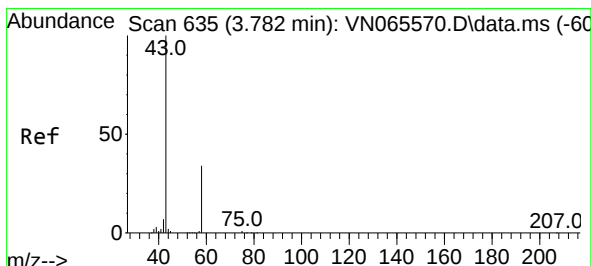
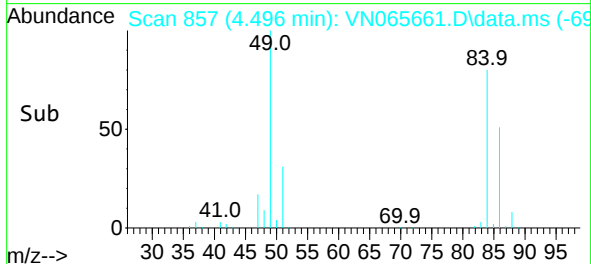
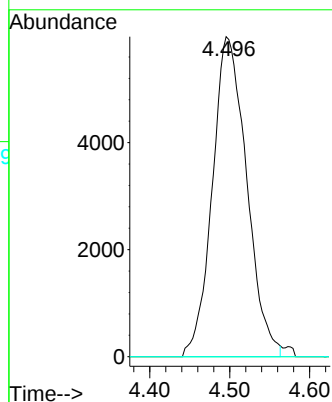
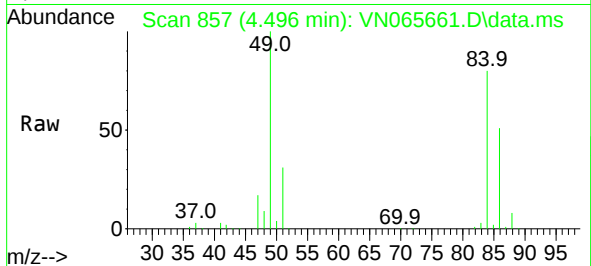




#14  
Allyl chloride  
Concen: 3.96 ug/l  
RT: 4.496 min Scan# 857  
Delta R.T. 0.219 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

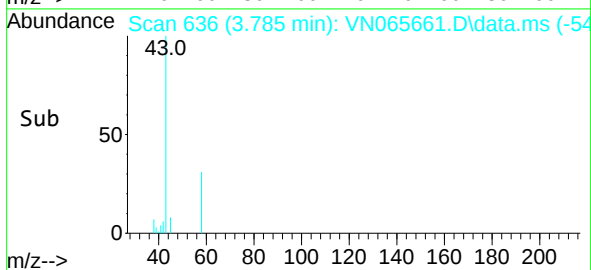
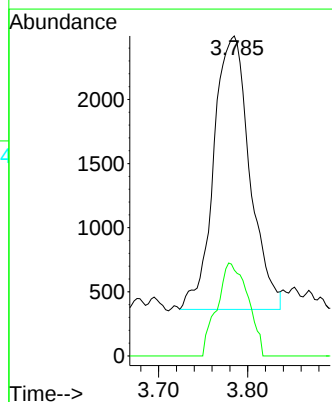
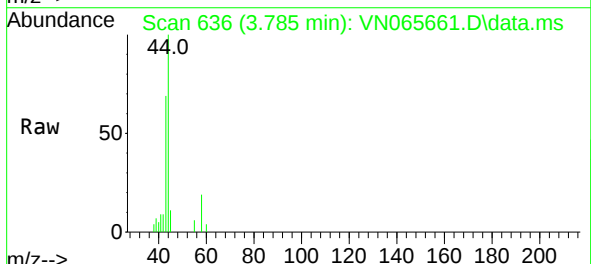
Instrument :  
MSVOA\_N  
ClientSampleId :  
CRT-5

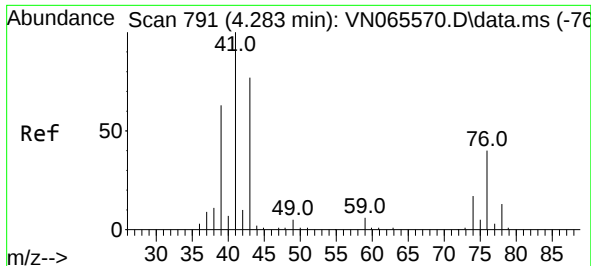
Tgt Ion: 41 Resp: 17791  
Ion Ratio Lower Upper  
41 100  
39 0.0 53.0 79.4#  
76 0.0 28.9 43.3#



#16  
Acetone  
Concen: 5.88 ug/l  
RT: 3.785 min Scan# 636  
Delta R.T. 0.003 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

Tgt Ion: 43 Resp: 5995  
Ion Ratio Lower Upper  
43 100  
58 31.4 27.0 40.6

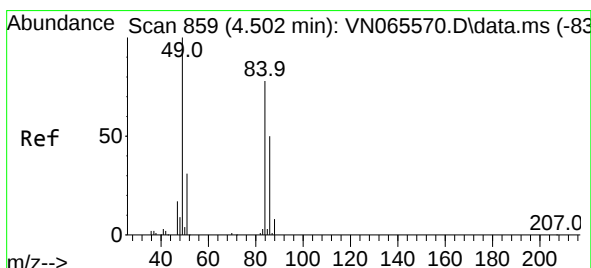
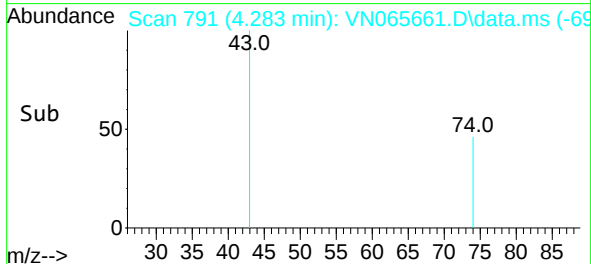
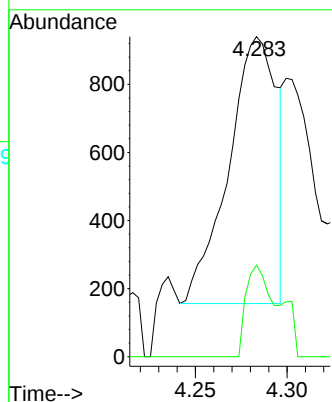
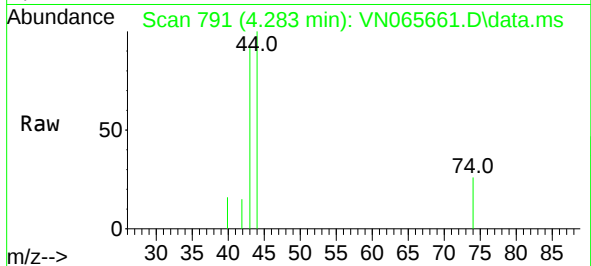




#18  
Methyl Acetate  
Concen: 0.50 ug/l  
RT: 4.283 min Scan# 791  
Delta R.T. 0.000 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

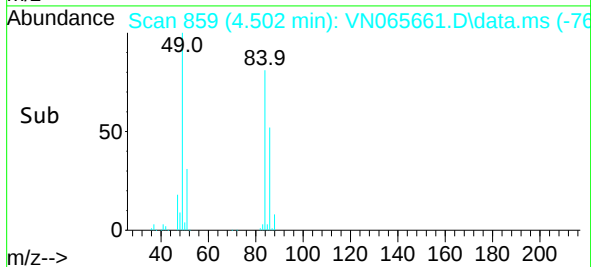
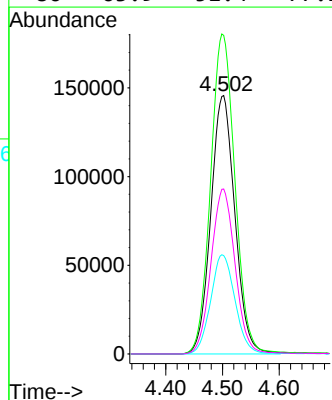
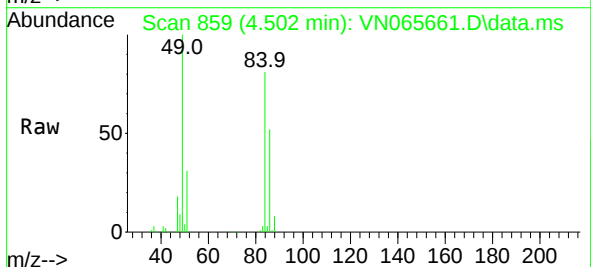
Instrument :  
MSVOA\_N  
ClientSampled :  
CRT-5

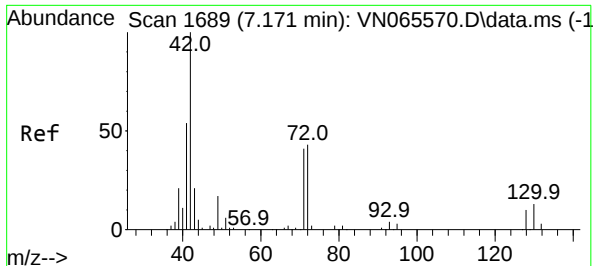
Tgt Ion: 43 Resp: 1436  
Ion Ratio Lower Upper  
43 100  
74 23.3 19.5 29.3



#20  
Methylene Chloride  
Concen: 152.42 ug/l  
RT: 4.502 min Scan# 859  
Delta R.T. 0.000 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

Tgt Ion: 84 Resp: 430459  
Ion Ratio Lower Upper  
84 100  
49 123.3 94.6 141.8  
51 38.1 29.9 44.9  
86 63.9 51.4 77.2





#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 7.187 min Scan# 1694

Delta R.T. 0.016 min

Lab File: VN065661.D

Acq: 28 Jan 2021 19:56

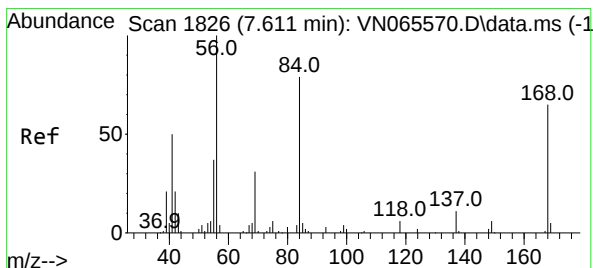
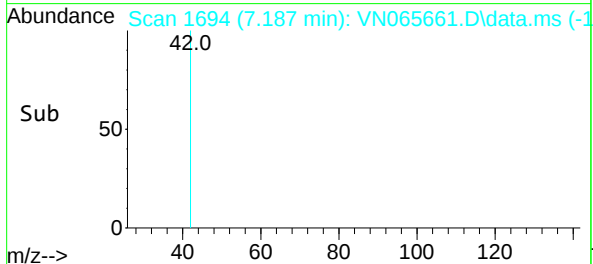
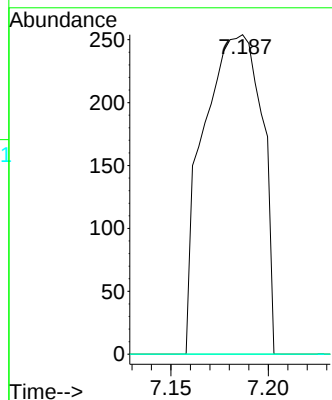
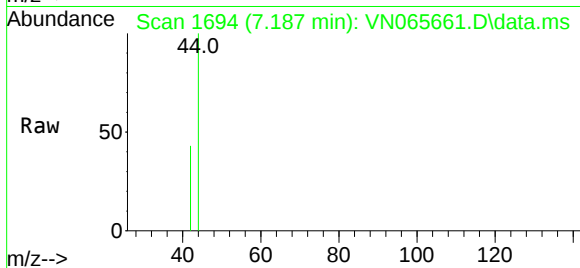
Tgt Ion: 42 Resp: 529

Ion Ratio Lower Upper

42 100

72 0.0 36.6 55.0#

71 0.0 34.3 51.5#



#31

Cyclohexane

Concen: 0.80 ug/l

RT: 7.621 min Scan# 1829

Delta R.T. 0.010 min

Lab File: VN065661.D

Acq: 28 Jan 2021 19:56

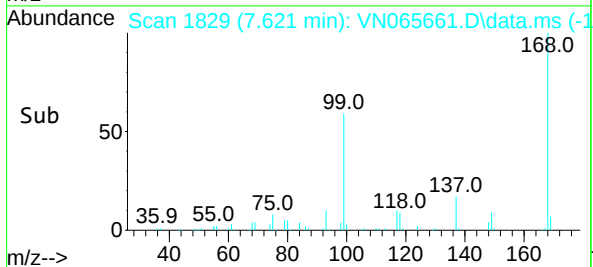
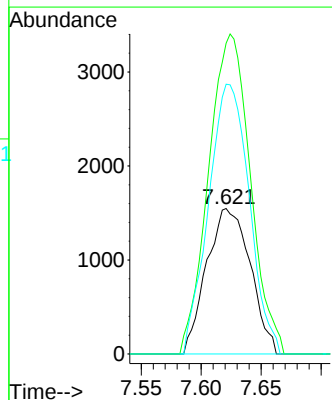
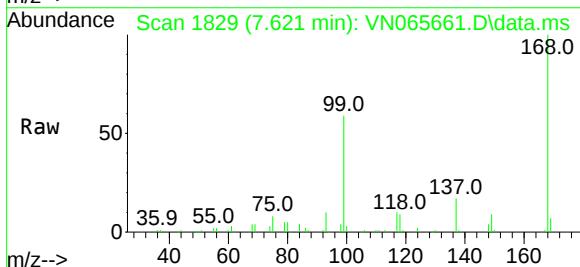
Tgt Ion: 56 Resp: 3920

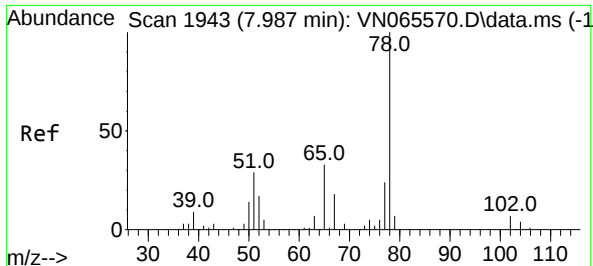
Ion Ratio Lower Upper

56 100

69 213.7 26.6 39.8#

84 185.5 70.4 105.6#

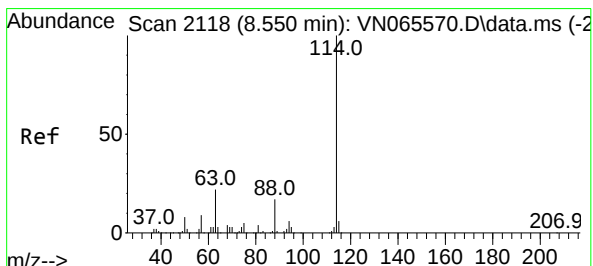
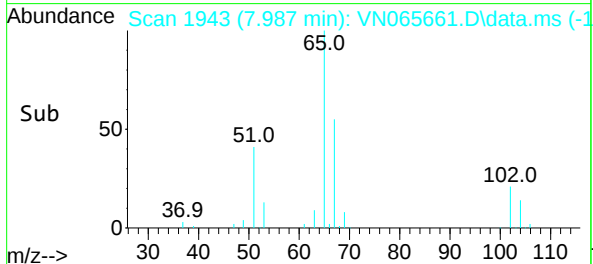
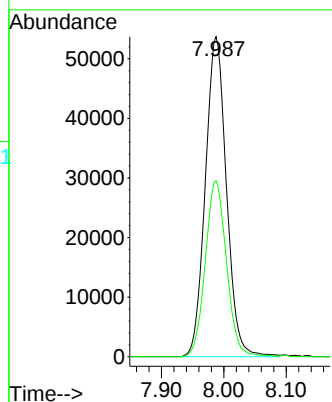
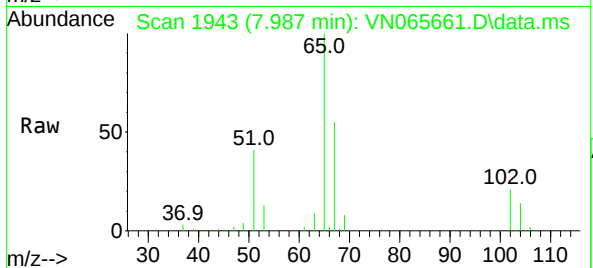




#33  
1,2-Dichloroethane-d4  
Concen: 48.32 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

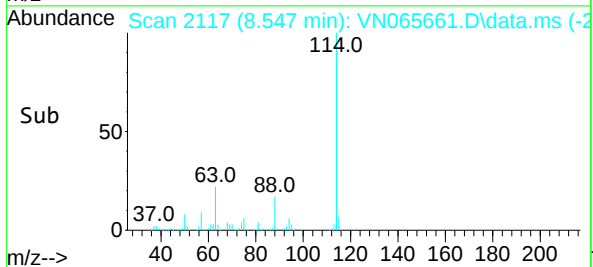
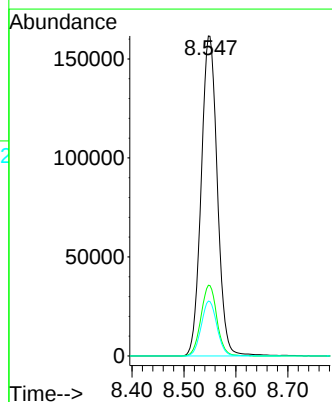
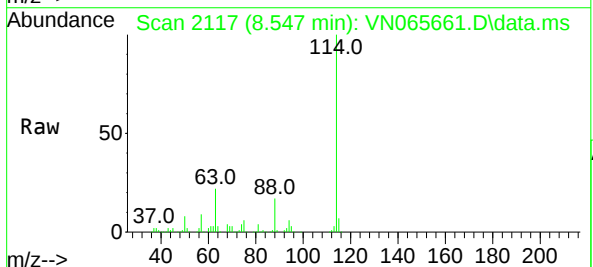
Instrument :  
MSVOA\_N  
ClientSampled :  
CRT-5

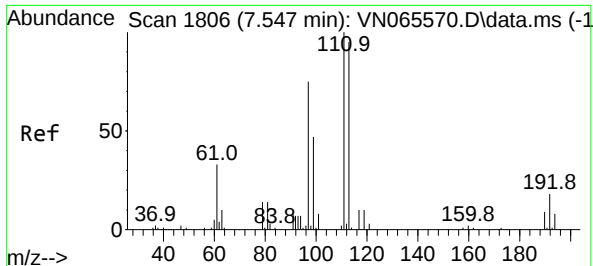
Tgt Ion: 65 Resp: 126579  
Ion Ratio Lower Upper  
65 100  
67 55.2 0.0 107.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.547 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

Tgt Ion: 114 Resp: 348173  
Ion Ratio Lower Upper  
114 100  
63 22.1 0.0 38.6  
88 17.1 0.0 30.6

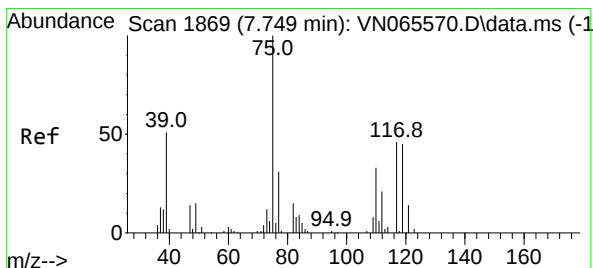
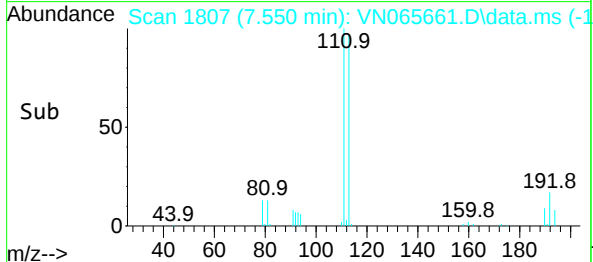
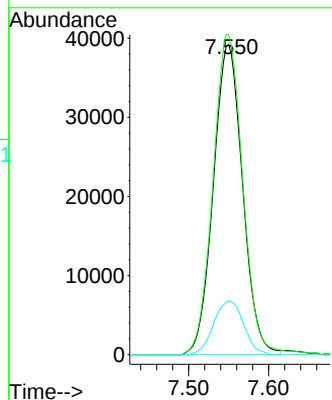
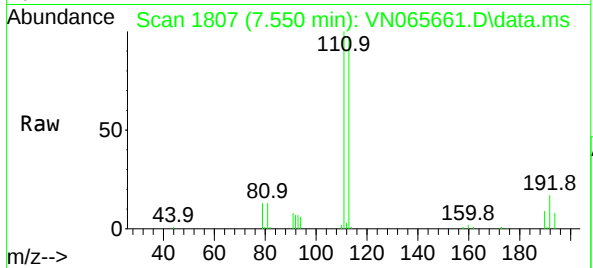




#35  
Dibromofluoromethane  
Concen: 48.07 ug/l  
RT: 7.550 min Scan# 1807  
Delta R.T. 0.003 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

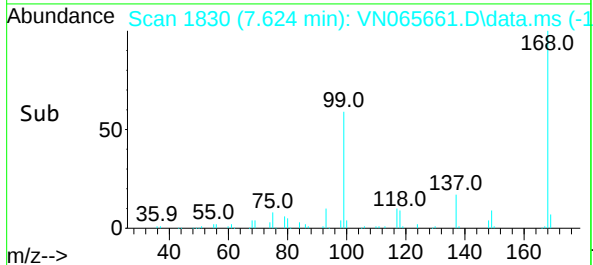
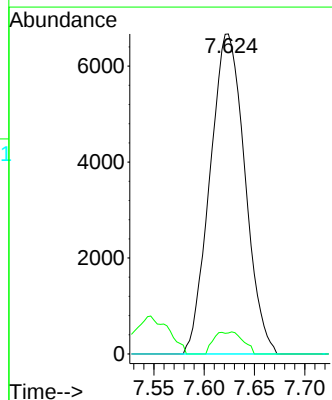
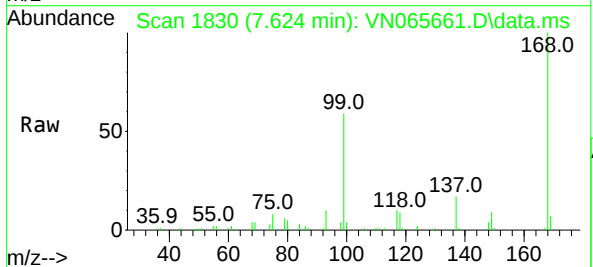
Instrument :  
MSVOA\_N  
ClientSampleId :  
CRT-5

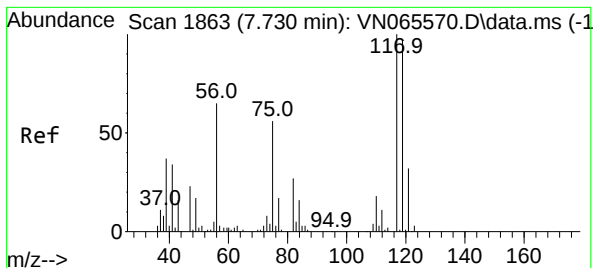
Tgt Ion:113 Resp: 99171  
Ion Ratio Lower Upper  
113 100  
111 105.5 82.2 123.2  
192 17.8 15.4 23.0



#36  
1,1-Dichloropropene  
Concen: 4.60 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.125 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

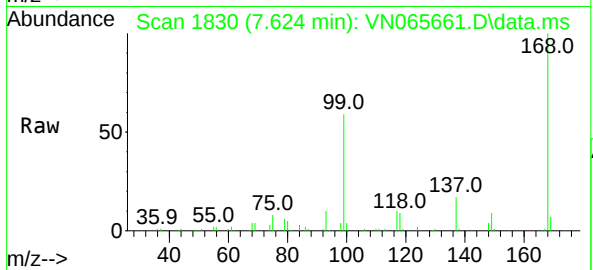
Tgt Ion: 75 Resp: 16102  
Ion Ratio Lower Upper  
75 100  
110 2.6 18.2 54.6#  
77 0.0 24.9 37.3#



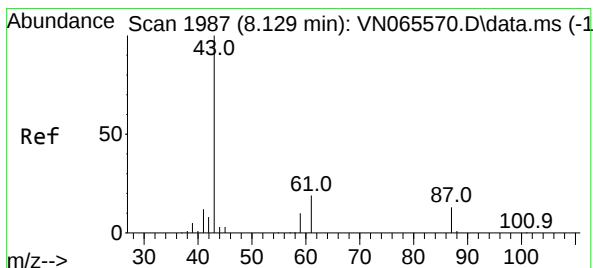
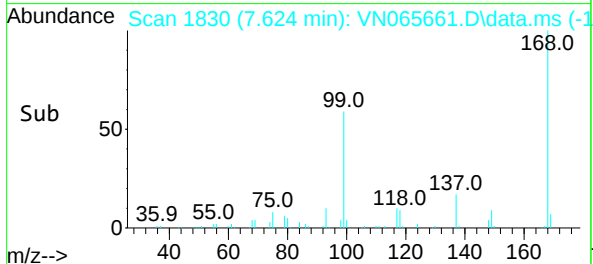
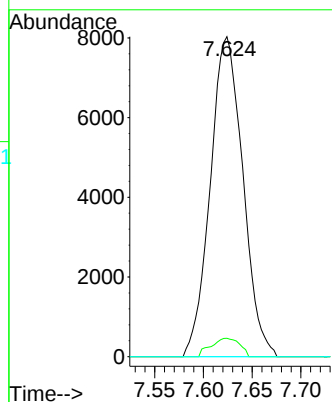


#38  
Carbon Tetrachloride  
Concen: 6.48 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.106 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

Instrument :  
MSVOA\_N  
ClientSampled :  
CRT-5

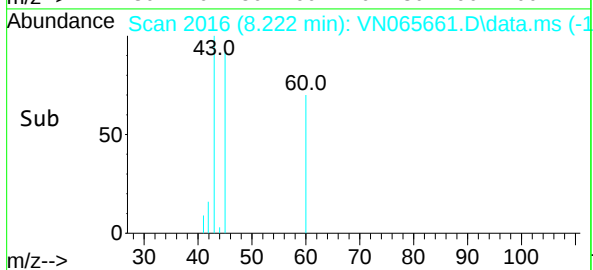
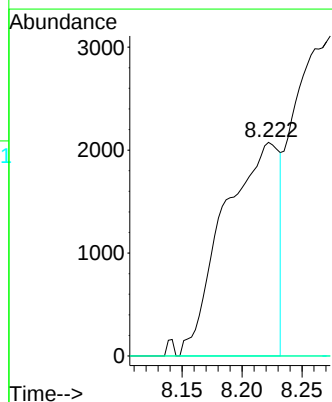
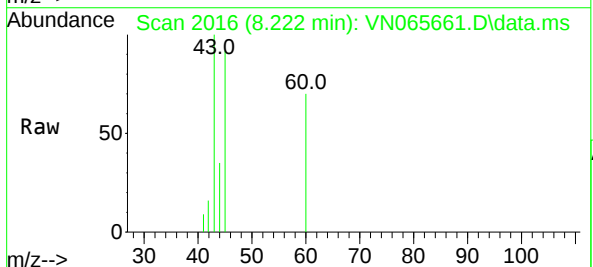


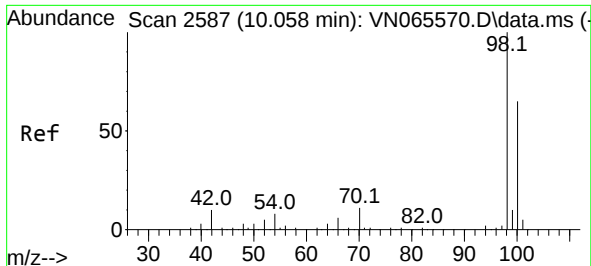
Tgt Ion:117 Resp: 18702  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.0 114.0#  
121 0.0 24.5 36.7#



#43  
Isopropyl Acetate  
Concen: 1.11 ug/l  
RT: 8.222 min Scan# 2016  
Delta R.T. 0.093 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

Tgt Ion: 43 Resp: 6624  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.5 33.7#  
87 0.0 11.1 16.7#

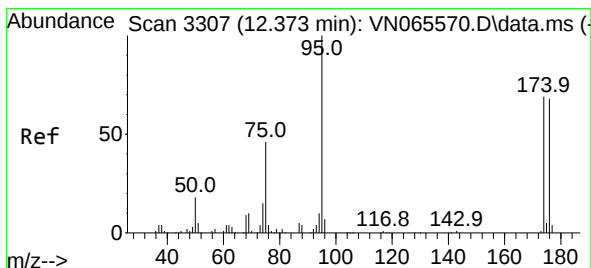
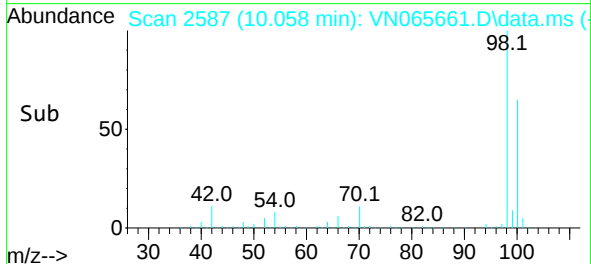
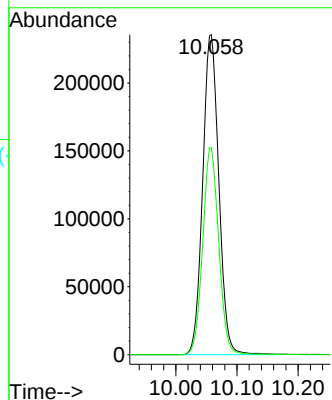
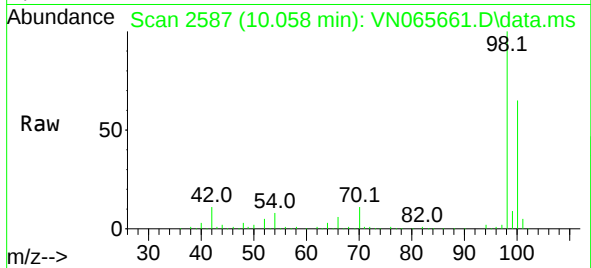




#50  
Toluene-d8  
Concen: 53.25 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

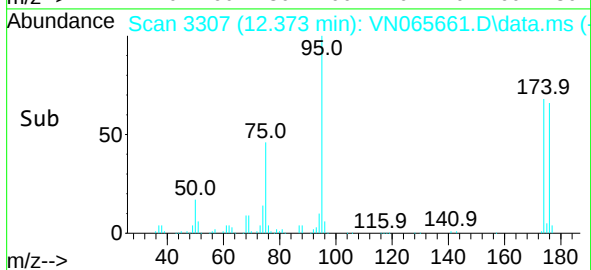
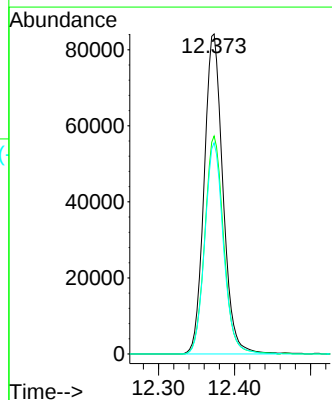
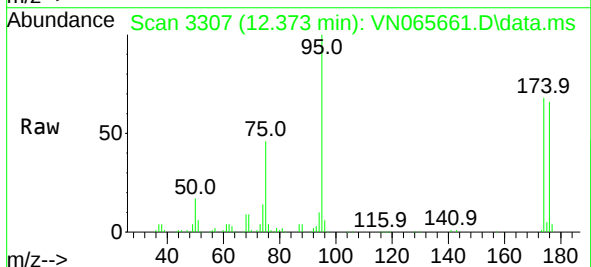
Instrument :  
MSVOA\_N  
ClientSampleId :  
CRT-5

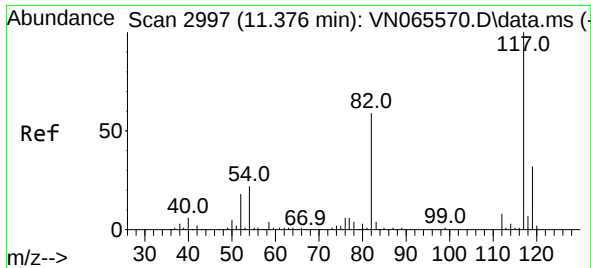
Tgt Ion: 98 Resp: 431833  
Ion Ratio Lower Upper  
98 100  
100 64.2 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 49.29 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.000 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

Tgt Ion: 95 Resp: 143950  
Ion Ratio Lower Upper  
95 100  
174 68.4 0.0 169.0  
176 65.8 0.0 162.4

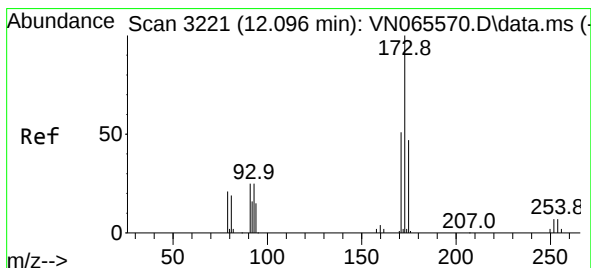
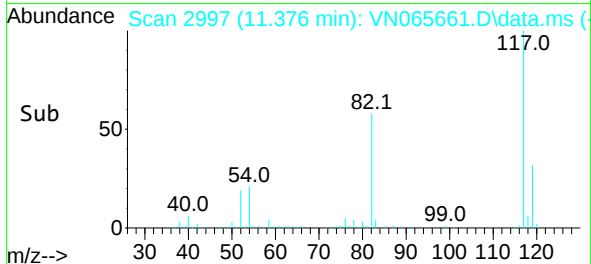
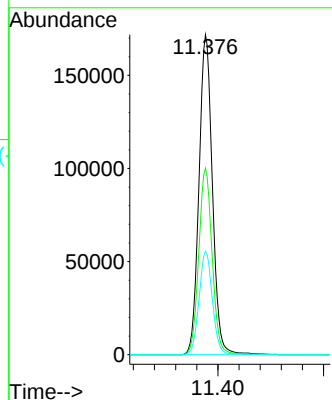
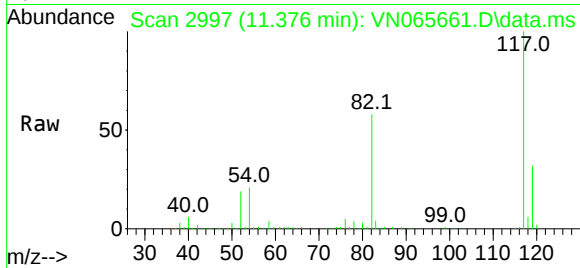




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

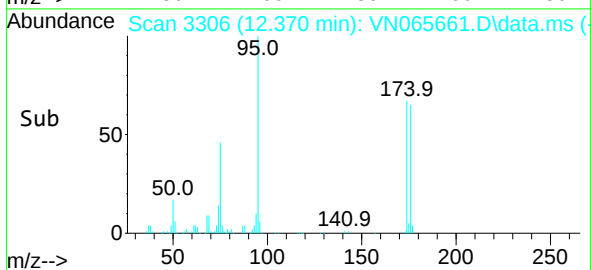
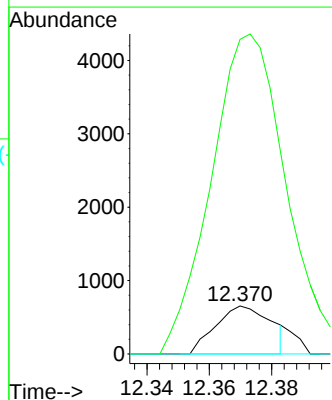
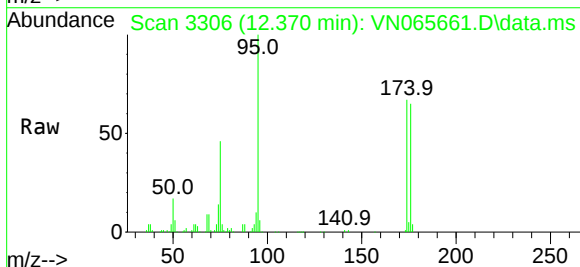
Instrument :  
MSVOA\_N  
ClientSampleId :  
CRT-5

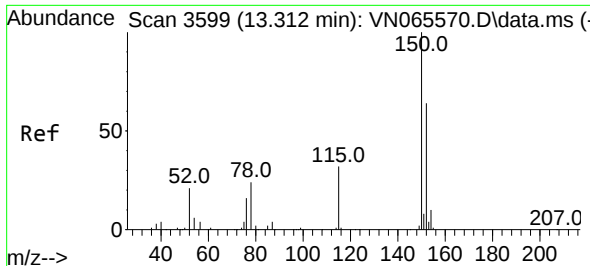
Tgt Ion:117 Resp: 302498  
Ion Ratio Lower Upper  
117 100  
82 58.3 43.7 65.5  
119 32.3 26.1 39.1



#71  
Bromoform  
Concen: 0.52 ug/l  
RT: 12.370 min Scan# 3306  
Delta R.T. 0.274 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

Tgt Ion:173 Resp: 804  
Ion Ratio Lower Upper  
173 100  
175 767.4 23.8 71.2#  
254 0.0 0.0 0.0

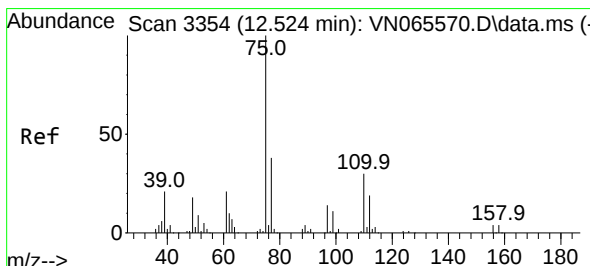
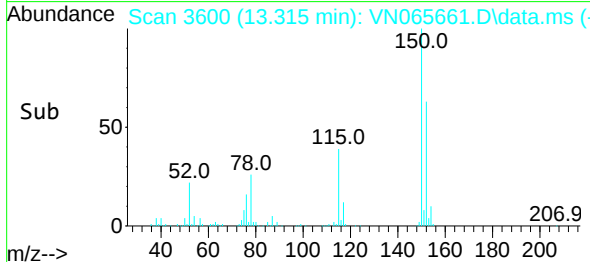
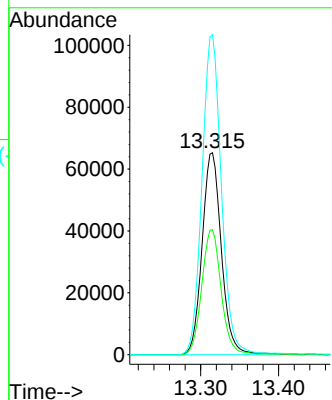
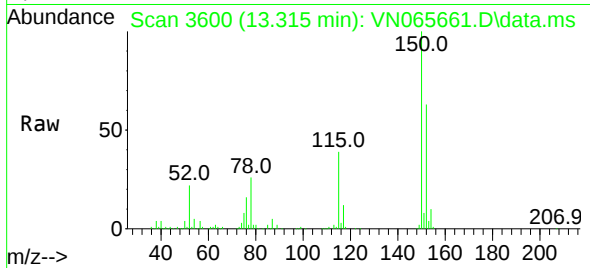




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.315 min Scan# 3600  
 Delta R.T. 0.003 min  
 Lab File: VN065661.D  
 Acq: 28 Jan 2021 19:56

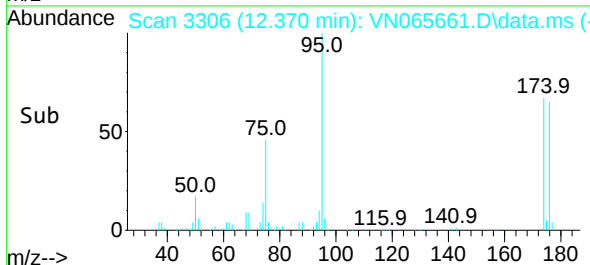
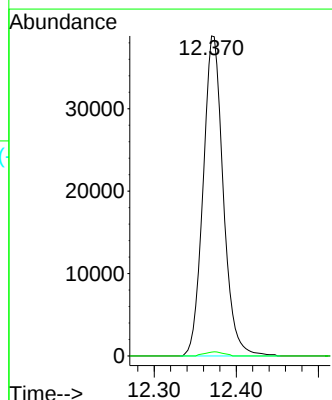
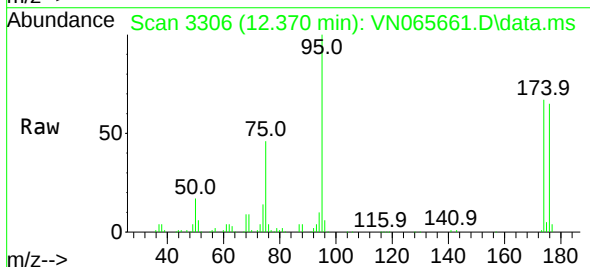
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 CRT-5

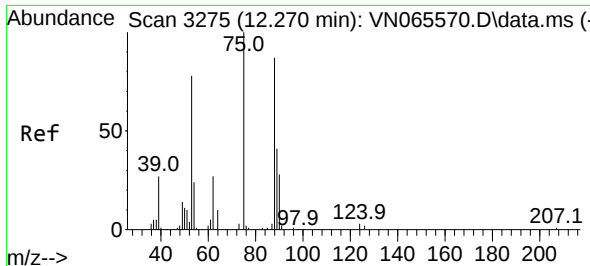
Tgt Ion:152 Resp: 112341  
 Ion Ratio Lower Upper  
 152 100  
 115 62.4 28.5 85.6  
 150 160.1 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 22.58 ug/l  
 RT: 12.370 min Scan# 3306  
 Delta R.T. -0.154 min  
 Lab File: VN065661.D  
 Acq: 28 Jan 2021 19:56

Tgt Ion: 75 Resp: 66323  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#

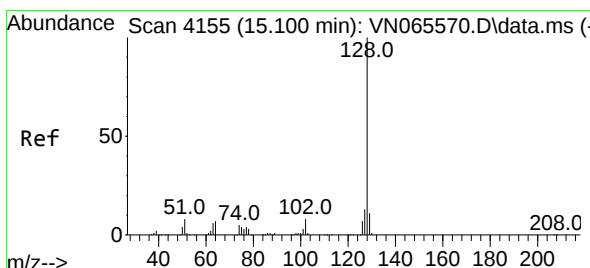
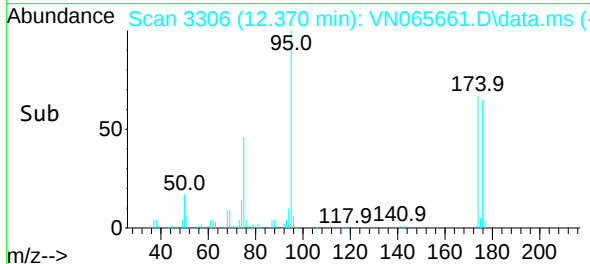
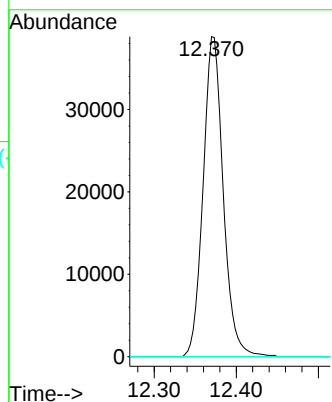
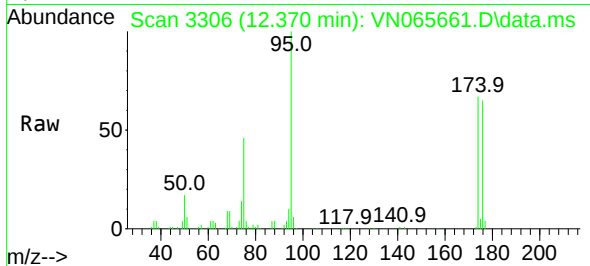




#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.83 ug/l  
RT: 12.370 min Scan# 3306  
Delta R.T. 0.100 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

Instrument :  
MSVOA\_N  
ClientSampled :  
CRT-5

Tgt Ion: 75 Resp: 66323  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#



#95  
Naphthalene  
Concen: 3.59 ug/l  
RT: 15.109 min Scan# 4158  
Delta R.T. 0.009 min  
Lab File: VN065661.D  
Acq: 28 Jan 2021 19:56

Tgt Ion:128 Resp: 1094  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.2#  
129 0.0 8.6 13.0#

