

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021821\  
 Data File : VN065931.D  
 Acq On : 18 Feb 2021 10:51  
 Operator : JC/MD  
 Sample : VN0218WBL01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 19 00:13:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 2021  
 Response via : Initial Calibration

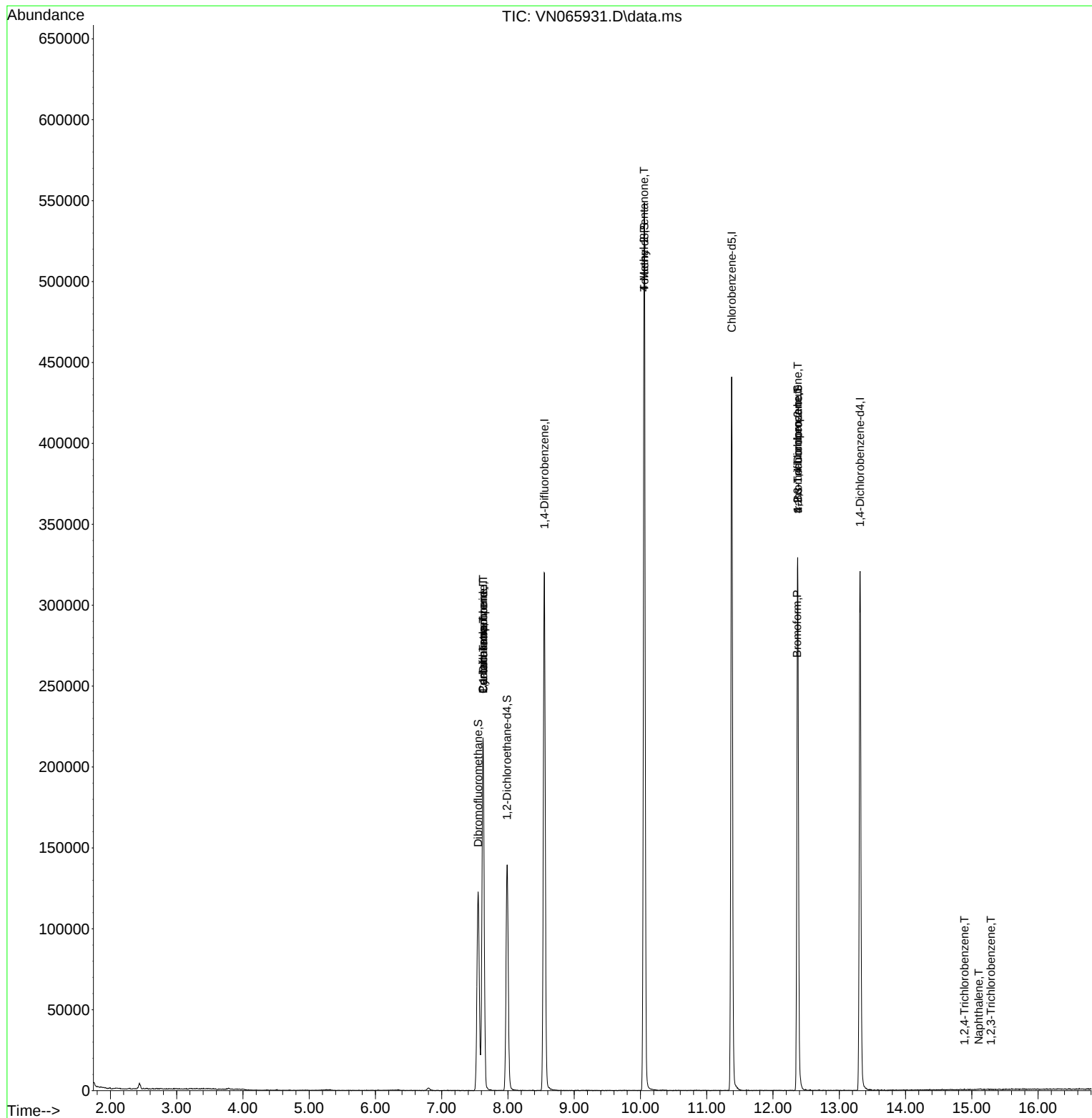
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.624  | 168   | 175734   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550  | 114   | 294999   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.376 | 117   | 264719   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.315 | 152   | 94745    | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.987  | 65    | 125029   | 50.88     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 101.76%  |
| 35) Dibromofluoromethane      | 7.550  | 113   | 96277    | 52.73     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 105.46%  |
| 50) Toluene-d8                | 10.058 | 98    | 398146   | 53.13     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 106.26%  |
| 62) 4-Bromofluorobenzene      | 12.373 | 95    | 130743   | 46.47     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 92.94%   |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 3.792  | 43    | 681      | Below Cal | #      | 41       |
| 31) Cyclohexane               | 7.624  | 56    | 3421     | 0.93      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.624  | 75    | 13482    | 4.63      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.624  | 117   | 17621    | 6.52      | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.055 | 43    | 1364     | 0.54      | ug/l # | 1        |
| 71) Bromoform                 | 12.364 | 173   | 166      | 2.61      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.373 | 75    | 63194    | 27.76     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75    | 63194    | 88.48     | ug/l # | 12       |
| 93) 1,2,4-Trichlorobenzene    | 14.891 | 180   | 185      | 2.57      | ug/l # | 13       |
| 95) Naphthalene               | 15.103 | 128   | 258      | 3.10      | ug/l # | 69       |
| 96) 1,2,3-Trichlorobenzene    | 15.289 | 180   | 93       | 2.22      | ug/l # | 62       |
| -----                         |        |       |          |           |        |          |

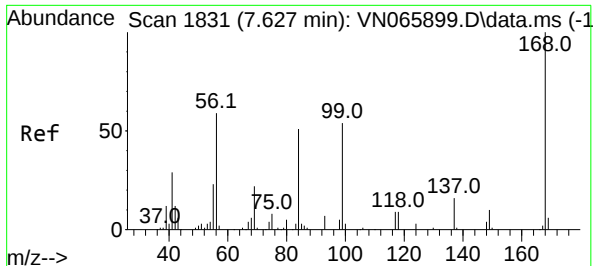
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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Quant Title : SW846 8260  
QLast Update : Wed Feb 17 15:48:13 2021  
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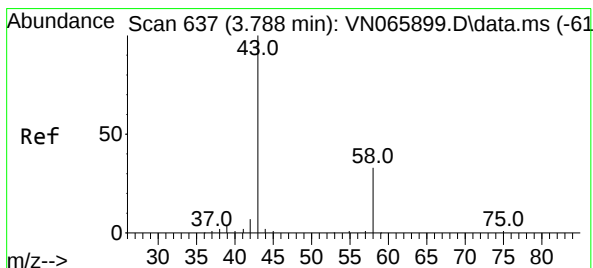
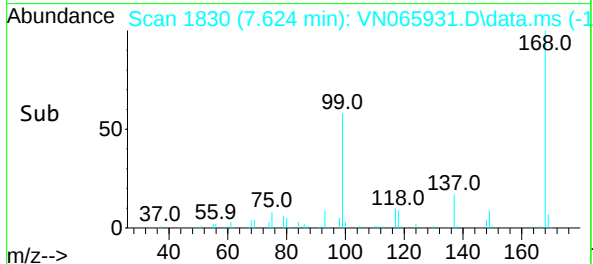
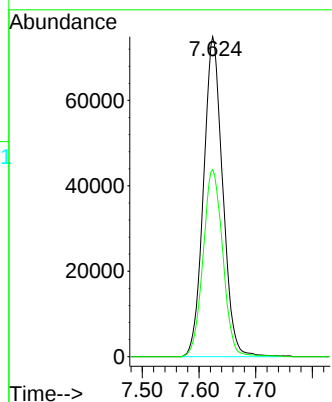
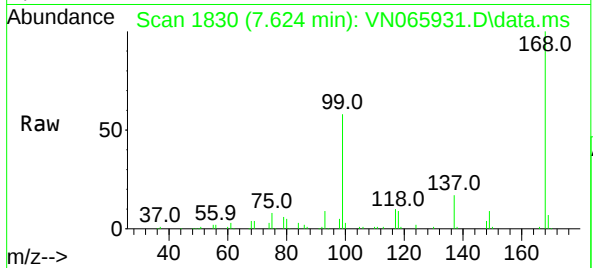




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.003 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

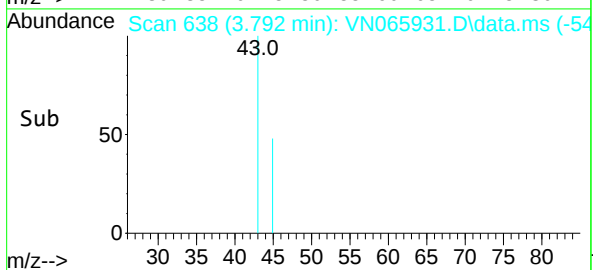
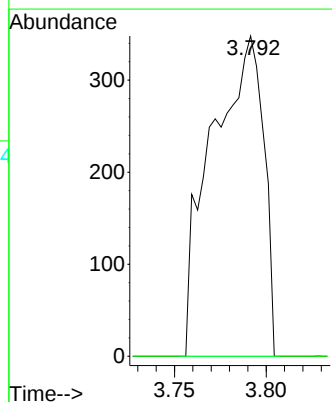
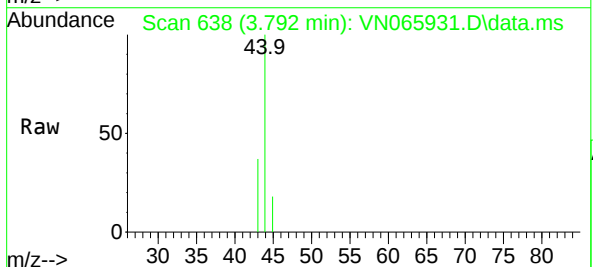
Instrument :  
MSVOA\_N  
ClientSampled :

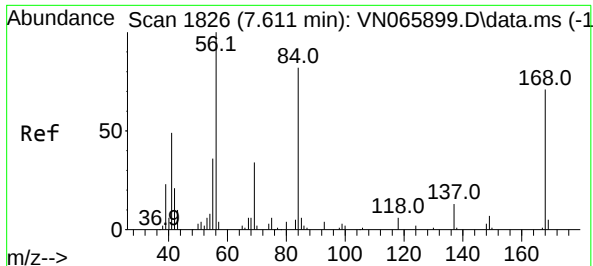
Tgt Ion:168 Resp: 175734  
Ion Ratio Lower Upper  
168 100  
99 58.4 42.6 63.8



#16  
Acetone  
Concen: Below Cal  
RT: 3.792 min Scan# 638  
Delta R.T. 0.004 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

Tgt Ion: 43 Resp: 681  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.0 40.6#

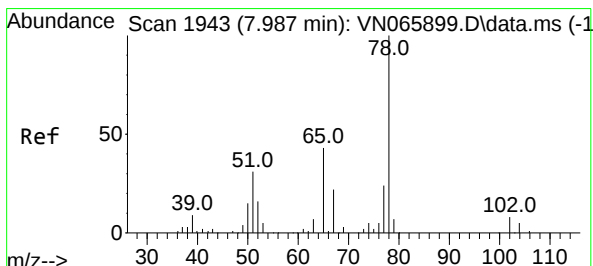
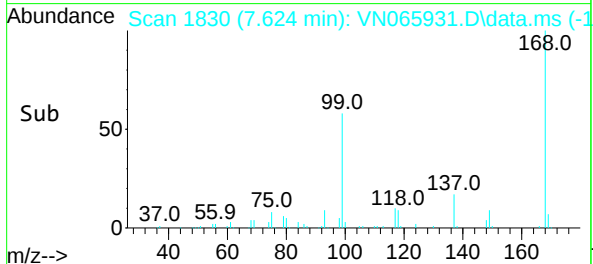
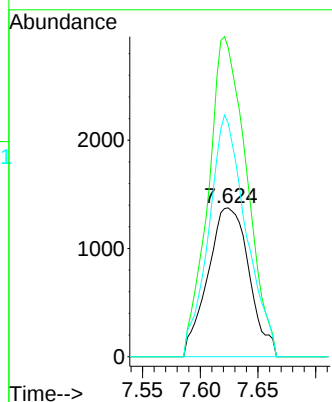
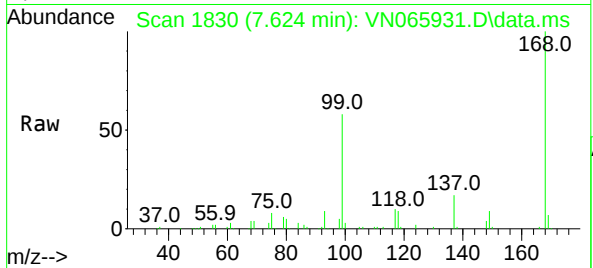




#31  
Cyclohexane  
Concen: 0.93 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.013 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

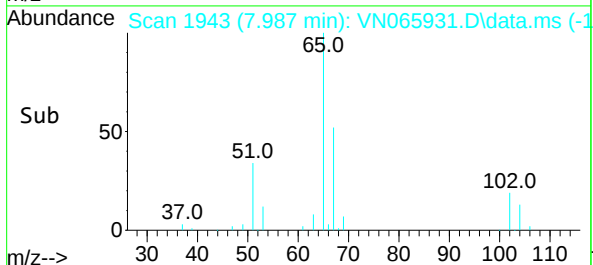
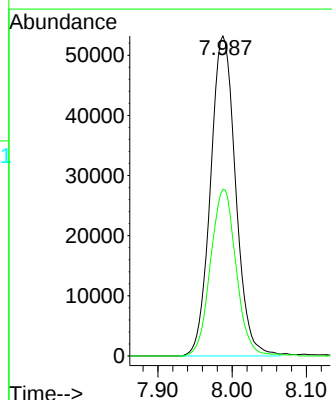
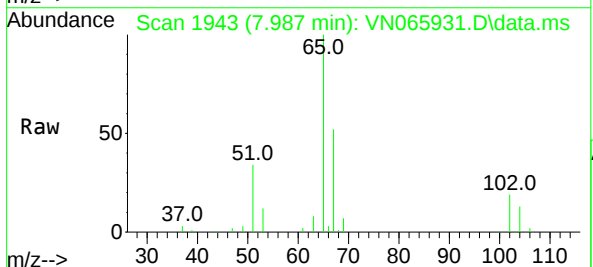
Instrument :  
MSVOA\_N  
ClientSampled :

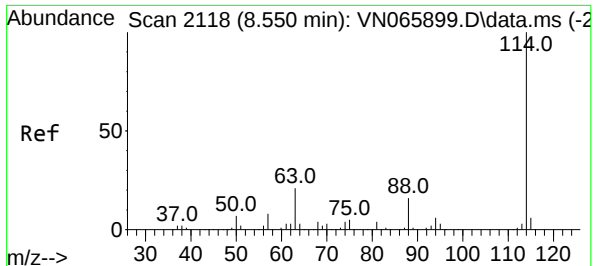
Tgt Ion: 56 Resp: 3421  
Ion Ratio Lower Upper  
56 100  
69 207.5 26.6 39.8#  
84 156.9 70.4 105.6#



#33  
1,2-Dichloroethane-d4  
Concen: 50.88 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

Tgt Ion: 65 Resp: 125029  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 107.2

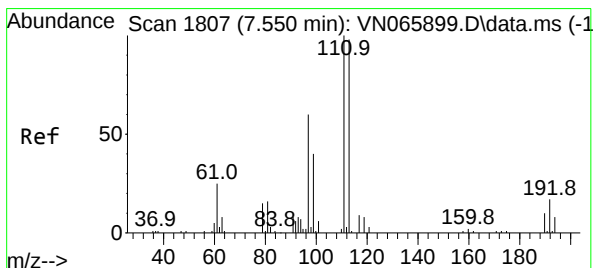
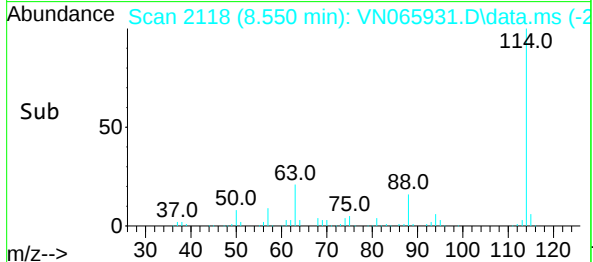
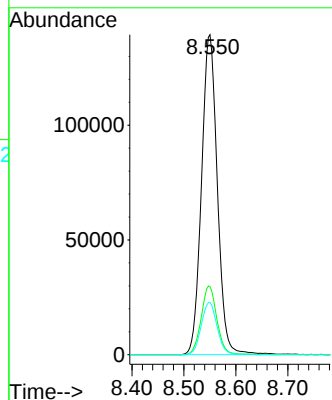
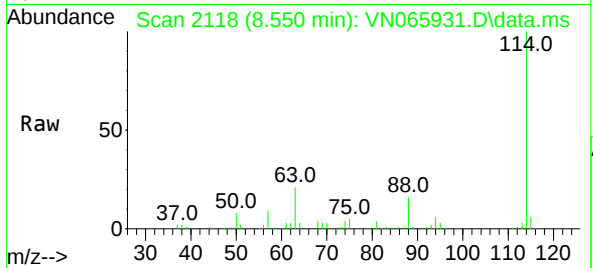




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

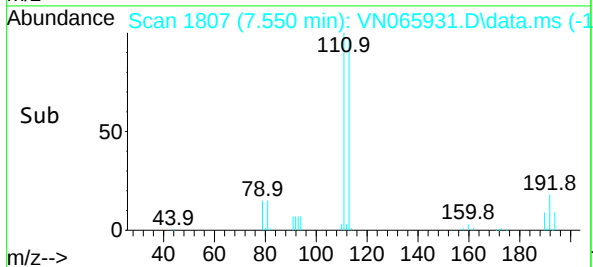
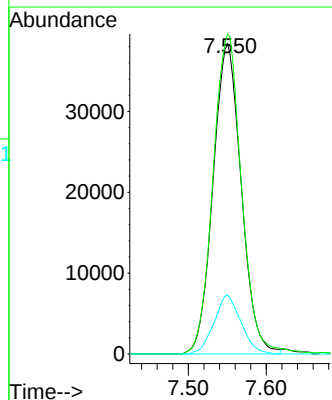
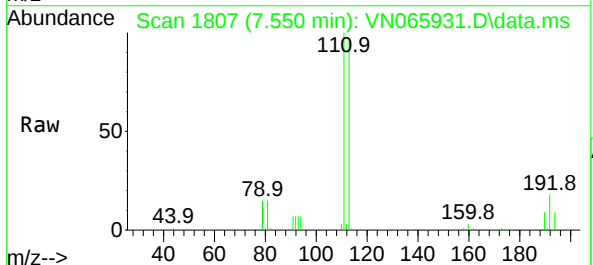
Instrument :  
MSVOA\_N  
ClientSampled :

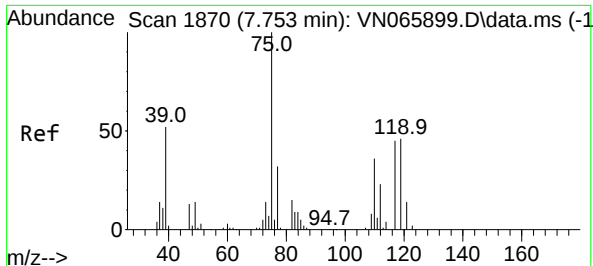
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 294999 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 21.2  | 0.0   | 38.6   |
| 88        | 16.3  | 0.0   | 30.6   |



#35  
Dibromofluoromethane  
Concen: 52.73 ug/l  
RT: 7.550 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 96277 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 104.5 | 82.2  | 123.2 |
| 192       | 18.2  | 15.4  | 23.0  |

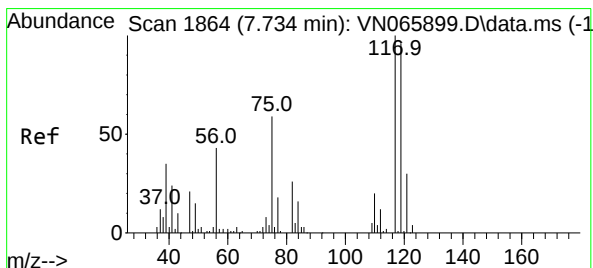
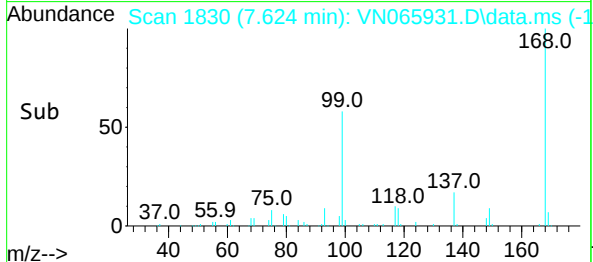
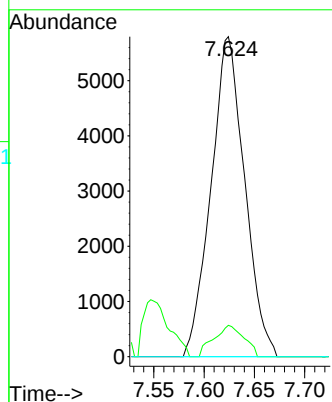
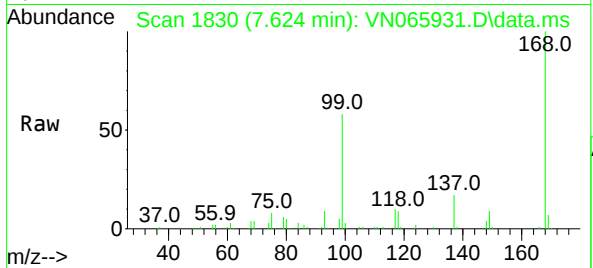




#36  
1,1-Dichloropropene  
Concen: 4.63 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.129 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

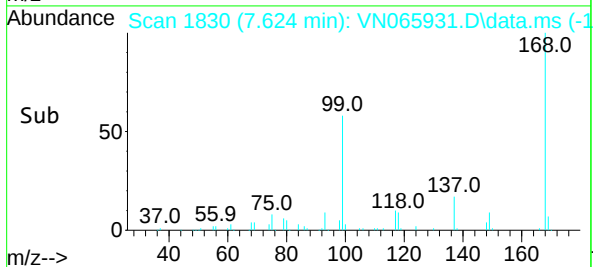
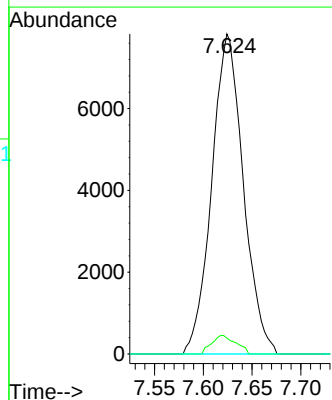
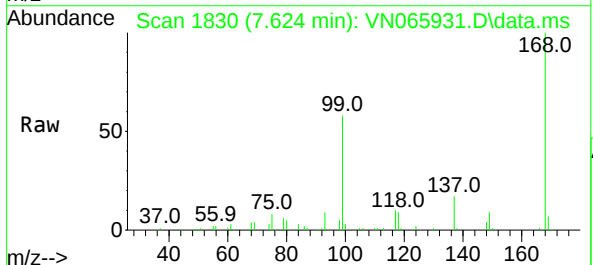
Instrument :  
MSVOA\_N  
ClientSampled :

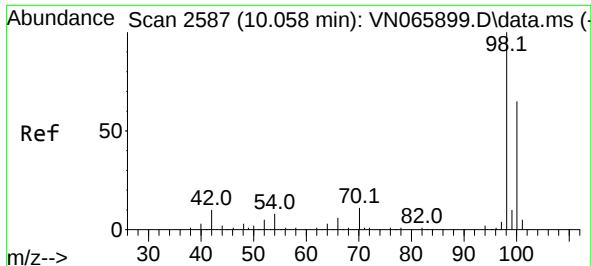
Tgt Ion: 75 Resp: 13482  
Ion Ratio Lower Upper  
75 100  
110 8.8 18.2 54.6#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 6.52 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.110 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

Tgt Ion: 117 Resp: 17621  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.0 114.0#  
121 0.0 24.5 36.7#

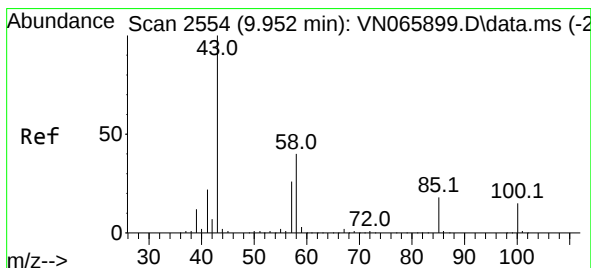
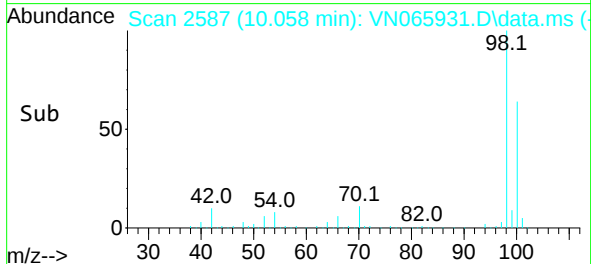
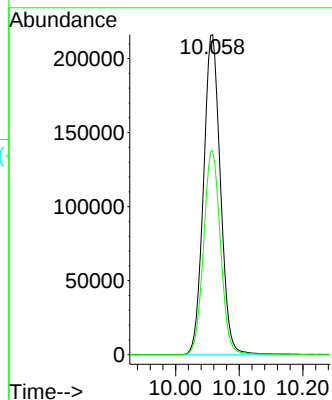
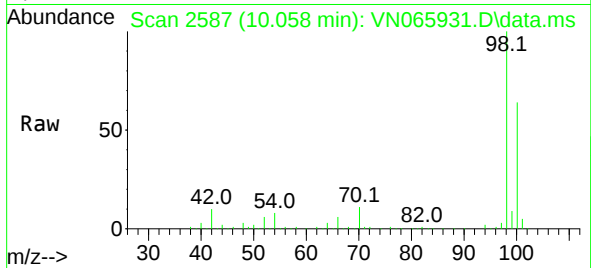




#50  
Toluene-d8  
Concen: 53.13 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

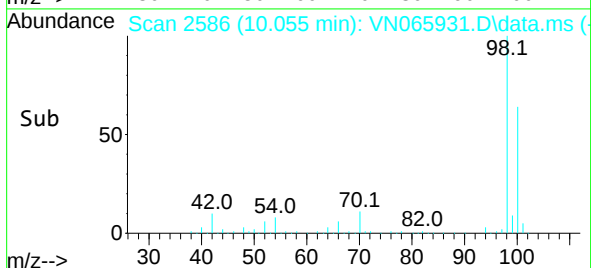
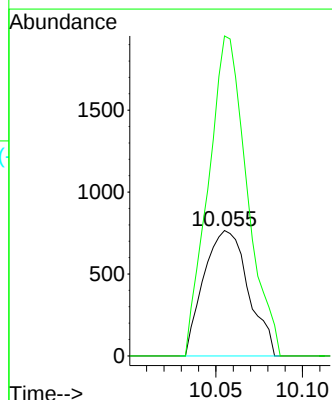
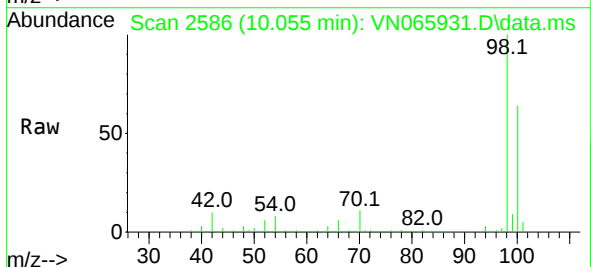
Instrument :  
MSVOA\_N  
ClientSampled :

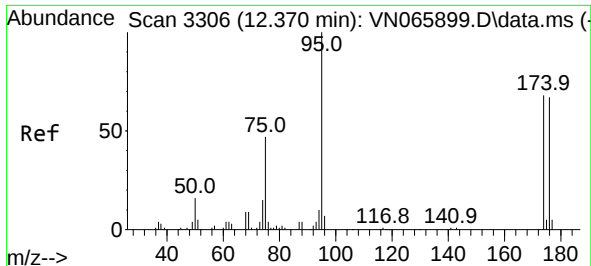
Tgt Ion: 98 Resp: 398146  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.5 75.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.54 ug/l  
RT: 10.055 min Scan# 2586  
Delta R.T. 0.103 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

Tgt Ion: 43 Resp: 1364  
Ion Ratio Lower Upper  
43 100  
58 222.4 32.5 48.7#

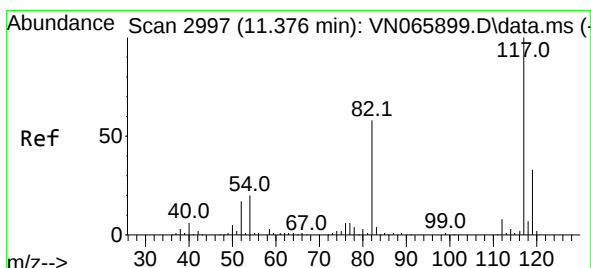
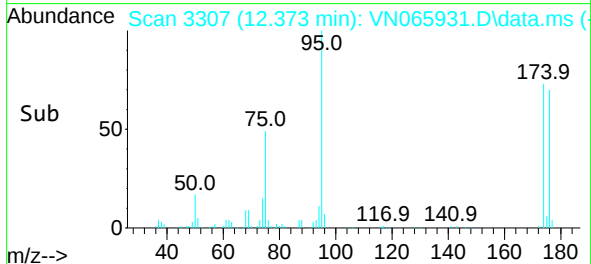
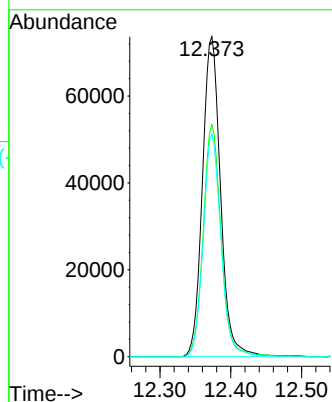
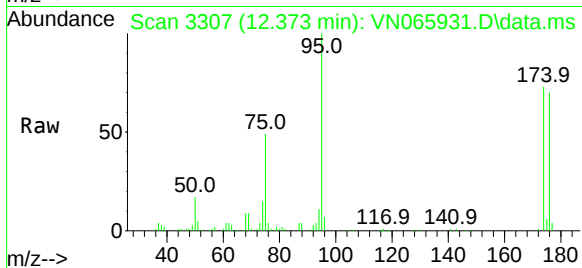




#62  
4-Bromofluorobenzene  
Concen: 46.47 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.003 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

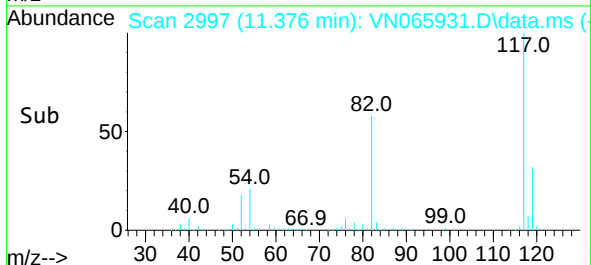
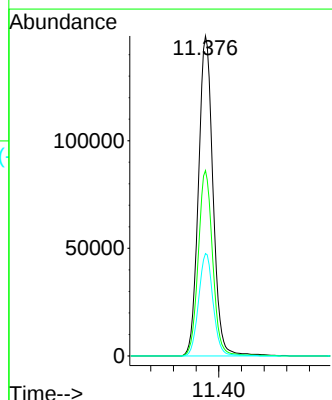
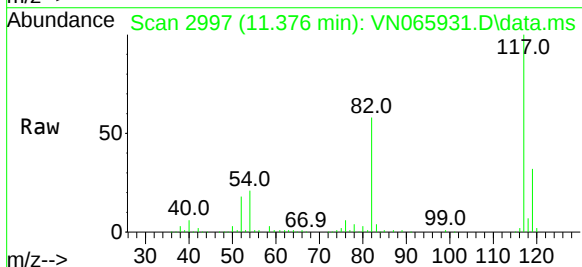
Instrument :  
MSVOA\_N  
ClientSampleId :

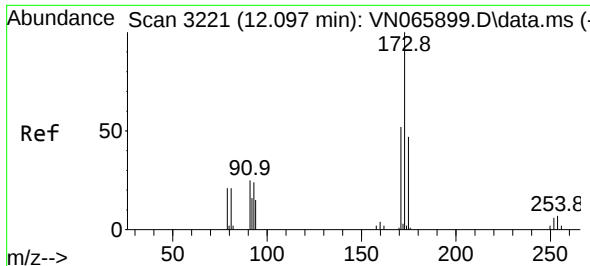
Tgt Ion: 95 Resp: 130743  
Ion Ratio Lower Upper  
95 100  
174 71.8 0.0 169.0  
176 68.5 0.0 162.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

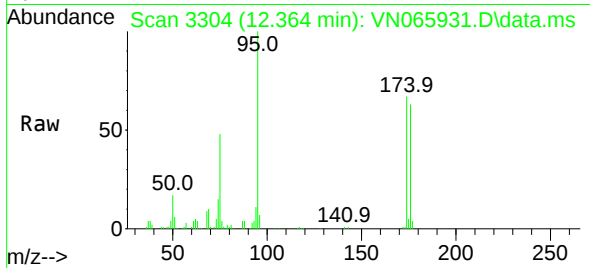
Tgt Ion: 117 Resp: 264719  
Ion Ratio Lower Upper  
117 100  
82 57.9 43.7 65.5  
119 32.0 26.1 39.1



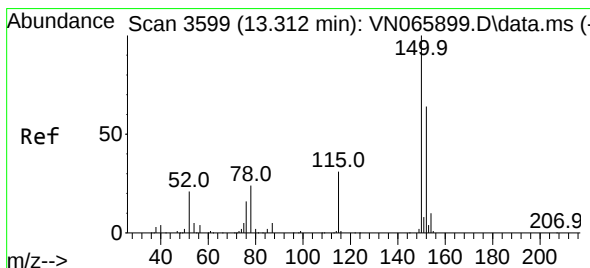
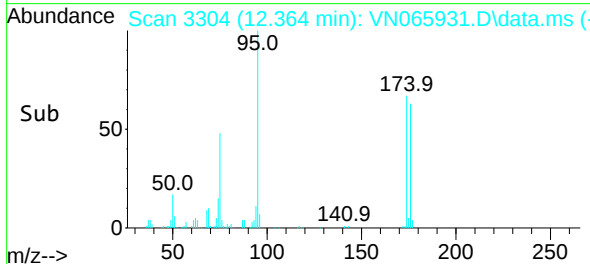
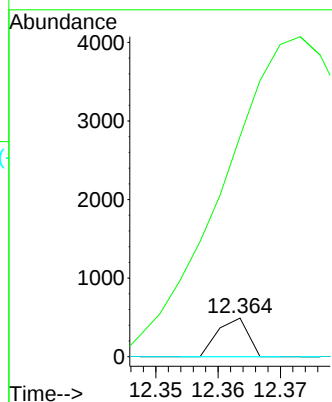


#71  
Bromoform  
Concen: 2.61 ug/l  
RT: 12.364 min Scan# 3304  
Delta R.T. 0.267 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

Instrument :  
MSVOA\_N  
ClientSampled :

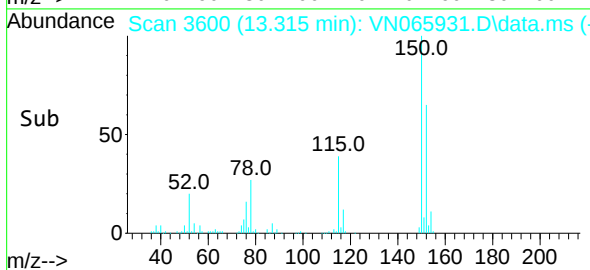
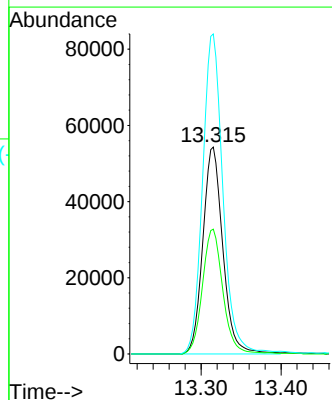
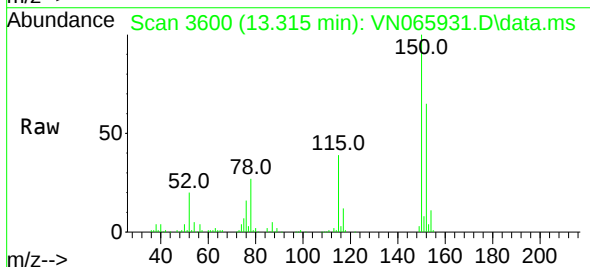


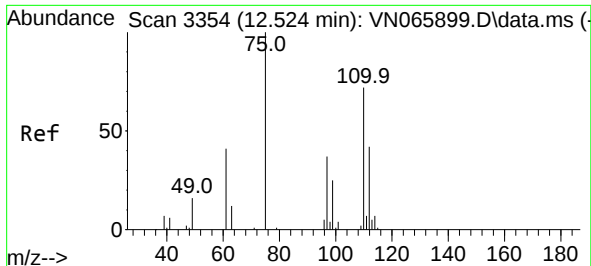
Tgt Ion:173 Resp: 166  
Ion Ratio Lower Upper  
173 100  
175 3427.7 23.8 71.2#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

Tgt Ion:152 Resp: 94745  
Ion Ratio Lower Upper  
152 100  
115 61.2 28.5 85.6  
150 156.7 0.0 347.6

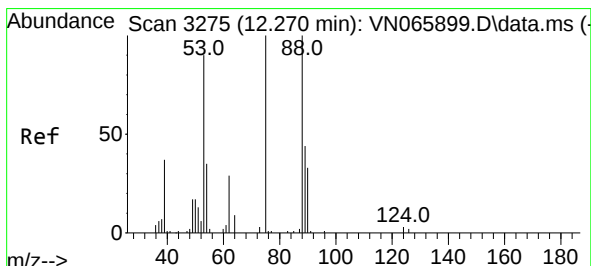
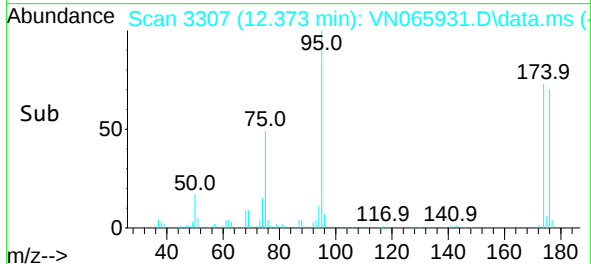
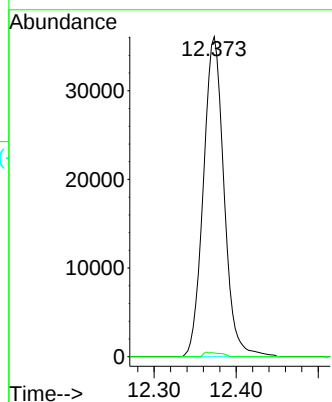
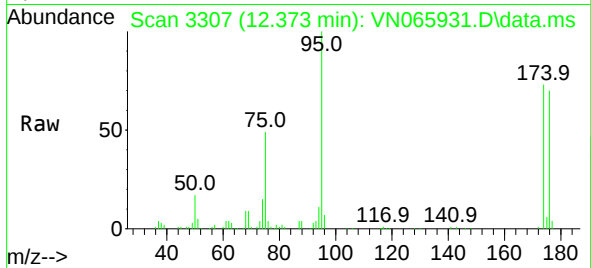




#76  
1,2,3-Trichloropropane  
Concen: 27.76 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.151 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

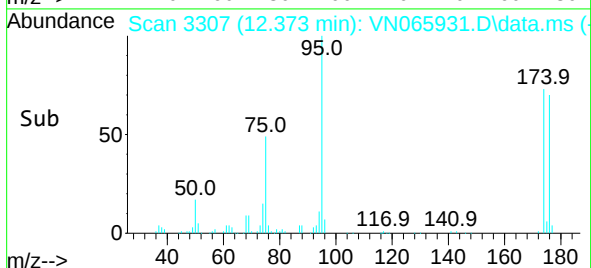
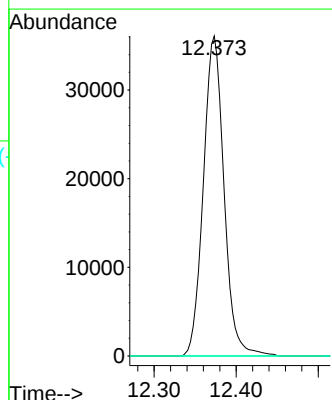
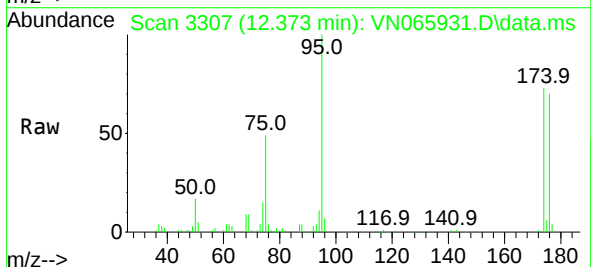
Instrument :  
MSVOA\_N  
ClientSampled :

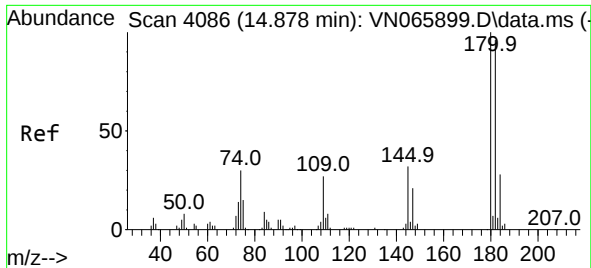
Tgt Ion: 75 Resp: 63194  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 88.48 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.103 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

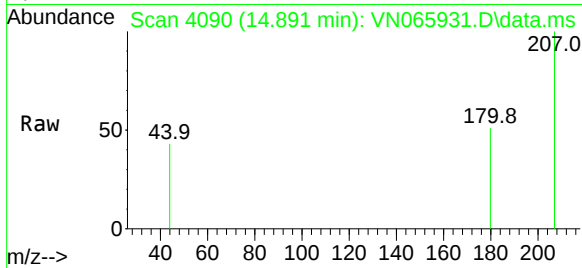
Tgt Ion: 75 Resp: 63194  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#



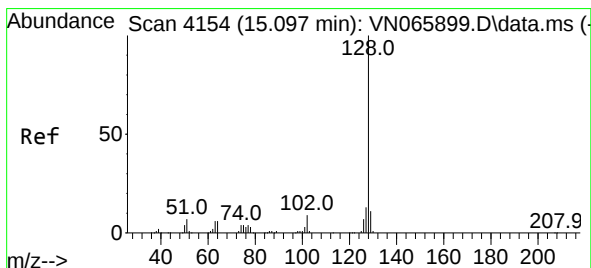
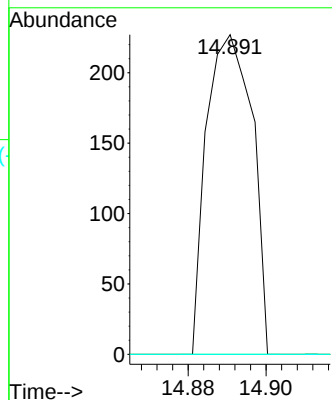


#93  
1,2,4-Trichlorobenzene  
Concen: 2.57 ug/l  
RT: 14.891 min Scan# 4090  
Delta R.T. 0.013 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51

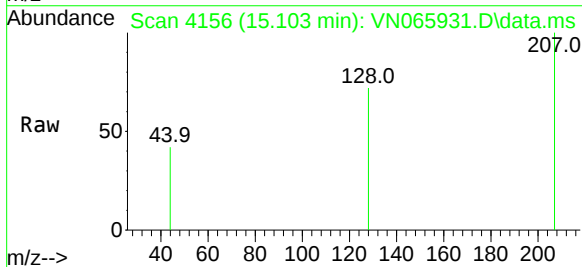
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MSVOA\_N  
ClientSampled :



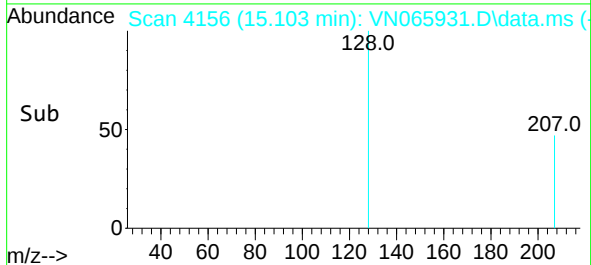
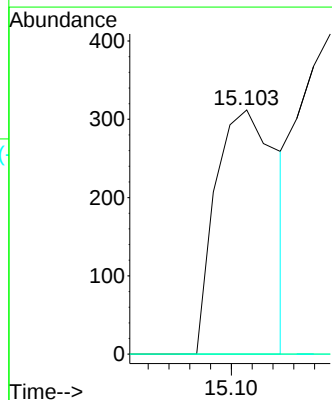
Tgt Ion:180 Resp: 185  
Ion Ratio Lower Upper  
180 100  
182 0.0 47.3 142.0#  
145 0.0 15.6 46.8#

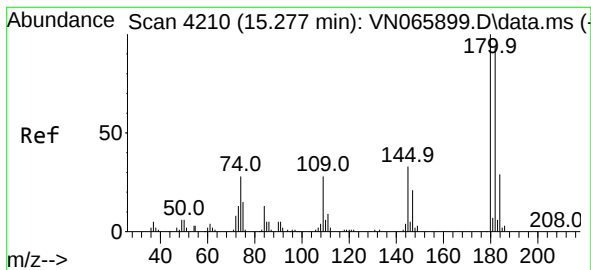


#95  
Naphthalene  
Concen: 3.10 ug/l  
RT: 15.103 min Scan# 4156  
Delta R.T. 0.006 min  
Lab File: VN065931.D  
Acq: 18 Feb 2021 10:51



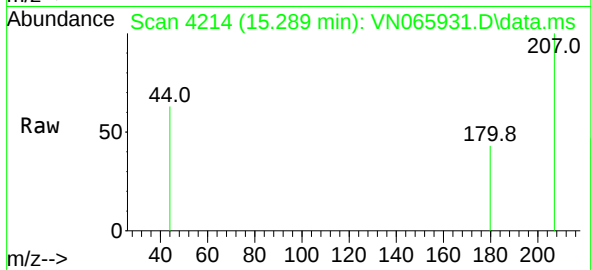
Tgt Ion:128 Resp: 258  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.2#  
129 0.0 8.6 13.0#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.22 ug/l  
 RT: 15.289 min Scan# 4214  
 Delta R.T. 0.012 min  
 Lab File: VN065931.D  
 Acq: 18 Feb 2021 10:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion:180 Resp: 93  
 Ion Ratio Lower Upper  
 180 100  
 182 64.5 47.4 142.3  
 145 0.0 16.5 49.5#

