

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012921\  
 Data File : VN065680.D  
 Acq On : 29 Jan 2021 16:28  
 Operator : JC/MD  
 Sample : M1288-06  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 152140-MW-2D(ONSITE)

Quant Time: Jan 30 01:03:58 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

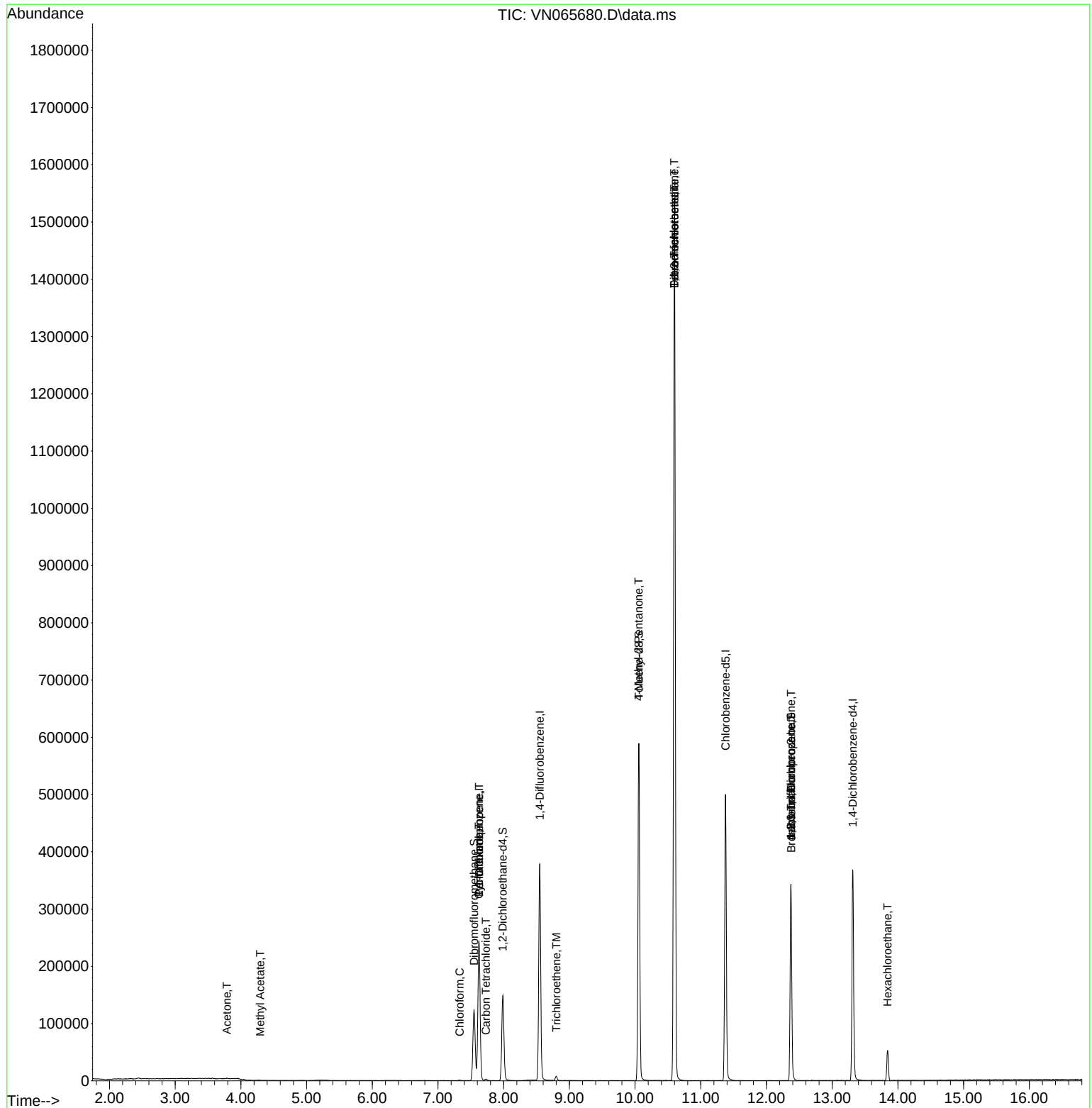
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 7.624          | 168  | 203277     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.550          | 114  | 348558     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.376         | 117  | 304287     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.315         | 152  | 108283     | 50.00   | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.987          | 65   | 124303     | 46.48   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 92.96%  |        |          |
| 35) Dibromofluoromethane      | 7.550          | 113  | 98940      | 47.90   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 95.80%  |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 434732     | 53.54   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 107.08% |        |          |
| 62) 4-Bromofluorobenzene      | 12.373         | 95   | 139465     | 47.70   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 95.40%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 16) Acetone                   | 3.785          | 43   | 759        | 0.73    | ug/l # | 41       |
| 18) Methyl Acetate            | 4.293          | 43   | 644        | 0.22    | ug/l # | 51       |
| 30) Chloroform                | 7.332          | 83   | 1096       | 0.24    | ug/l   | 85       |
| 31) Cyclohexane               | 7.621          | 56   | 3879       | 0.77    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.624          | 75   | 15809      | 4.51    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.730          | 117  | 1897       | 0.66    | ug/l   | 98       |
| 44) Trichloroethene           | 8.801          | 130  | 3016       | 1.16    | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.055         | 43   | 2020       | 0.61    | ug/l # | 1        |
| 55) 1,1,2-Trichloroethane     | 10.598         | 97   | 3008       | 1.24    | ug/l # | 1        |
| 60) Dibromochloromethane      | 10.598         | 129  | 347510     | 140.50  | ug/l # | 11       |
| 64) Tetrachloroethene         | 10.598         | 164  | 367596     | 144.15  | ug/l   | 96       |
| 71) Bromoform                 | 12.376         | 173  | 497        | 0.32    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.373         | 75   | 64263      | 22.70   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373         | 75   | 64263      | 58.13   | ug/l # | 12       |
| 90) Hexachloroethane          | 13.842         | 117  | 11378      | 8.10    | ug/l   | 93       |
| -----                         |                |      |            |         |        |          |

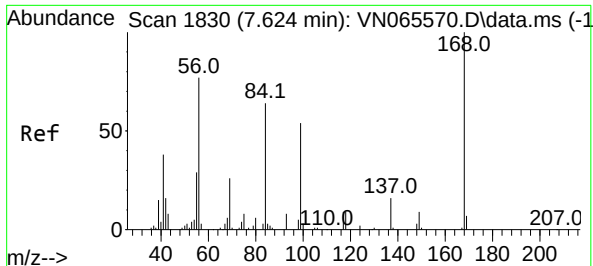
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012921\  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2D(ONSITE)

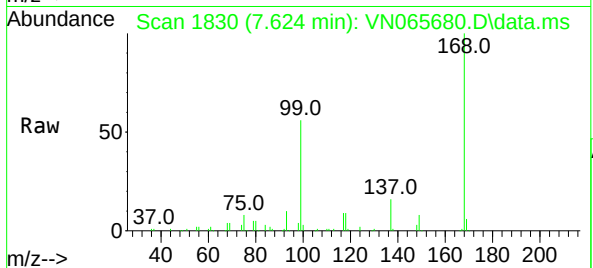
Quant Time: Jan 30 01:03:58 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:47:28 2021  
Response via : Initial Calibration



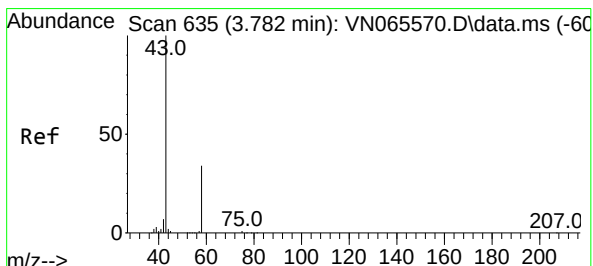
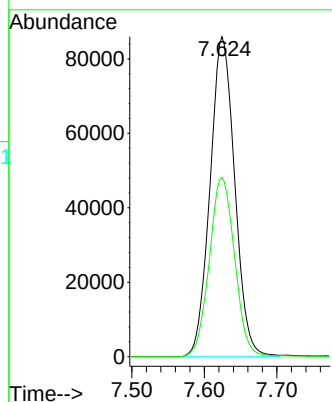
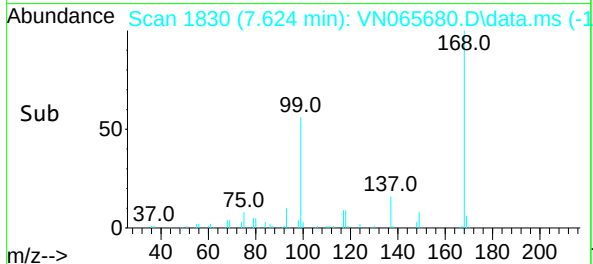


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

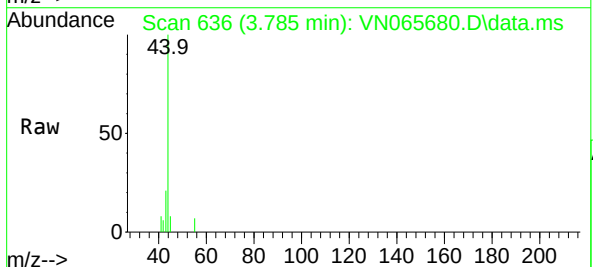
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2D(ONSITE)



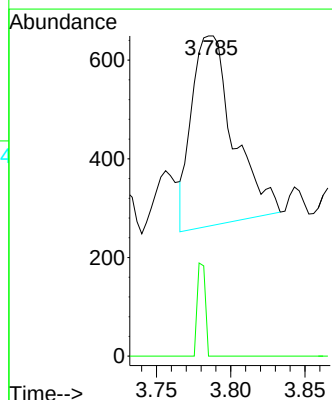
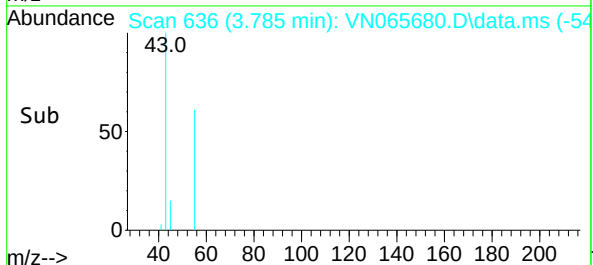
Tgt Ion:168 Resp: 203277  
Ion Ratio Lower Upper  
168 100  
99 56.1 42.6 63.8

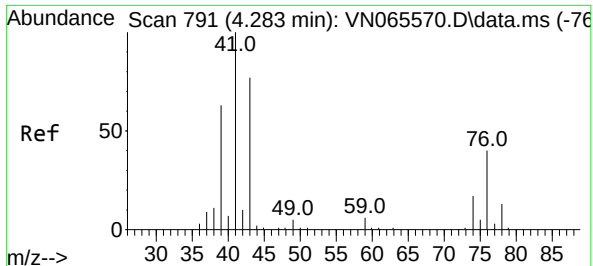


#16  
Acetone  
Concen: 0.73 ug/l  
RT: 3.785 min Scan# 636  
Delta R.T. 0.003 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28



Tgt Ion: 43 Resp: 759  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.0 40.6#





#18

Methyl Acetate

Concen: 0.22 ug/l

RT: 4.293 min Scan# 794

Delta R.T. 0.010 min

Lab File: VN065680.D

Acq: 29 Jan 2021 16:28

Tgt Ion: 43 Resp: 644

Ion Ratio Lower Upper

43 100

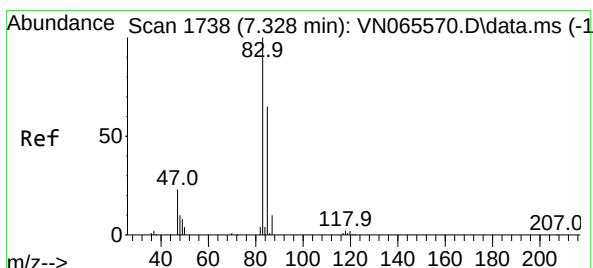
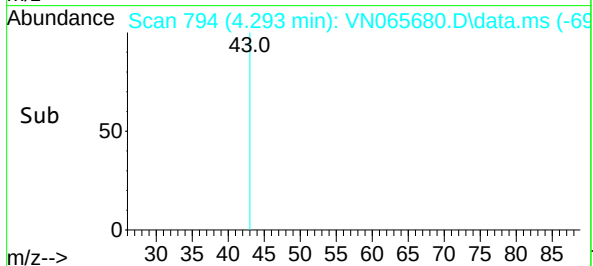
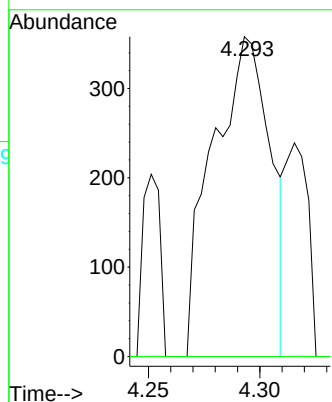
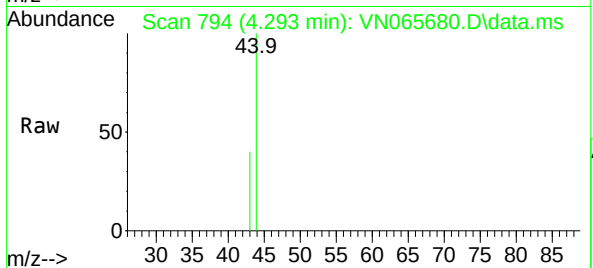
74 0.0 19.5 29.3#

Instrument :

MSVOA\_N

ClientSampleId :

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#30

Chloroform

Concen: 0.24 ug/l

RT: 7.332 min Scan# 1739

Delta R.T. 0.004 min

Lab File: VN065680.D

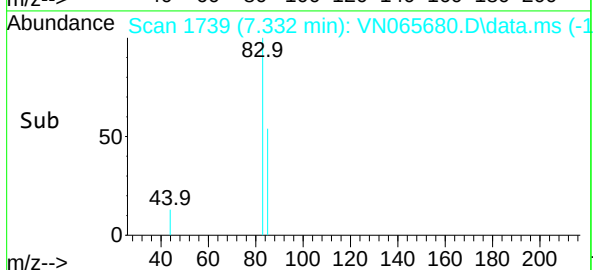
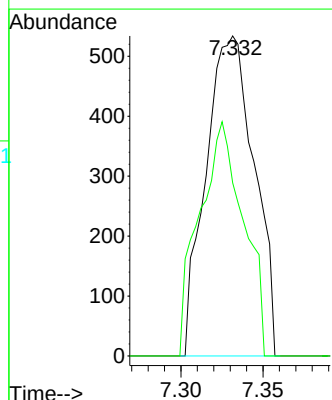
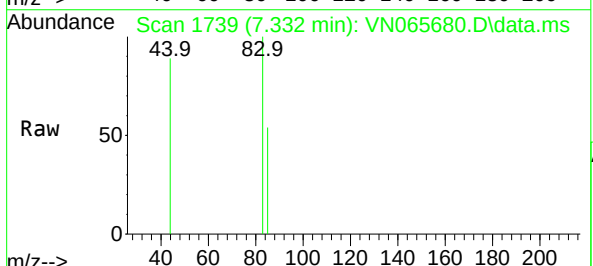
Acq: 29 Jan 2021 16:28

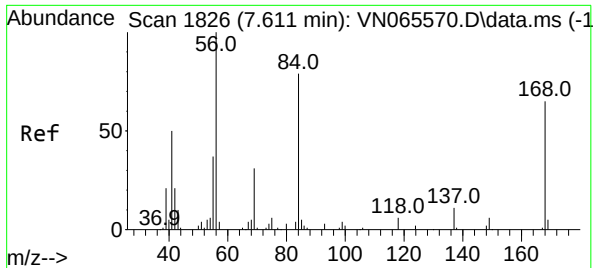
Tgt Ion: 83 Resp: 1096

Ion Ratio Lower Upper

83 100

85 54.1 52.6 78.8

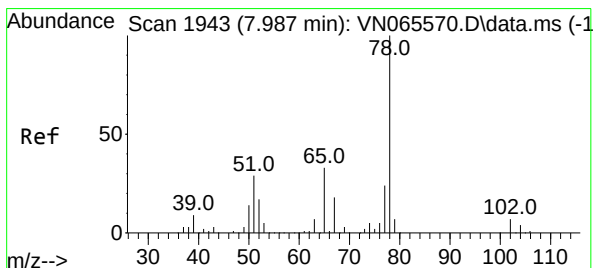
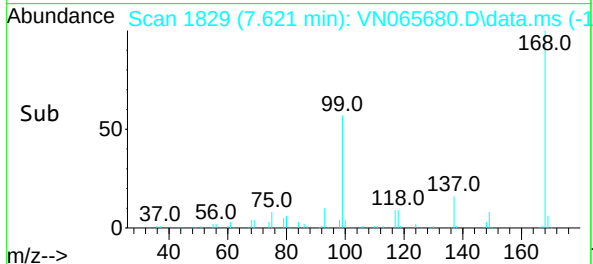
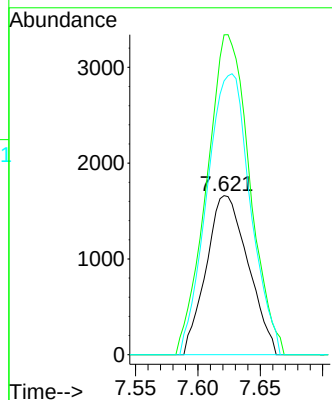
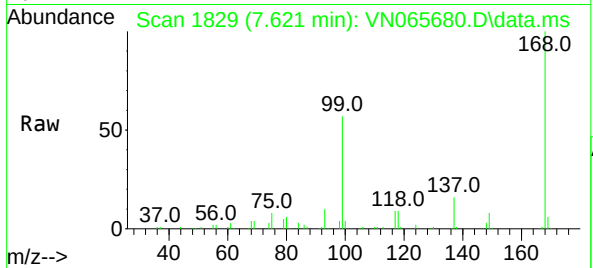




#31  
Cyclohexane  
Concen: 0.77 ug/l  
RT: 7.621 min Scan# 1829  
Delta R.T. 0.010 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

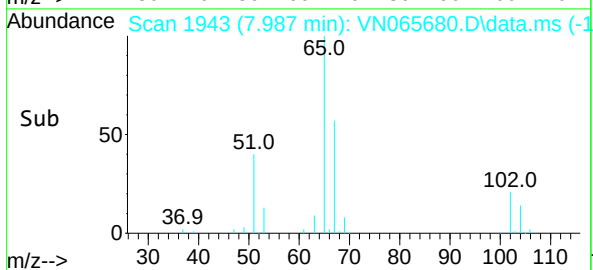
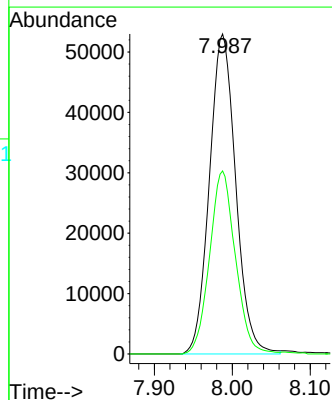
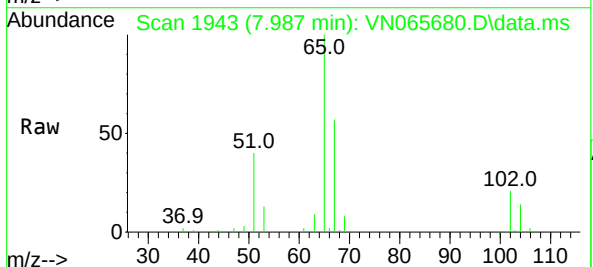
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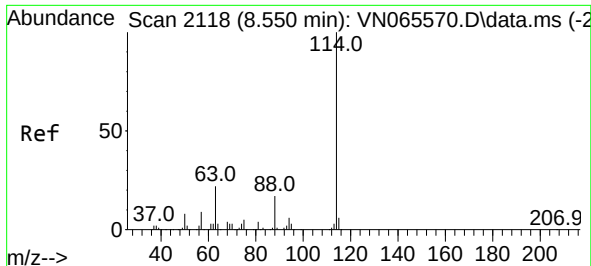
Tgt Ion: 56 Resp: 3879  
Ion Ratio Lower Upper  
56 100  
69 190.5 26.6 39.8#  
84 172.2 70.4 105.6#



#33  
1,2-Dichloroethane-d4  
Concen: 46.48 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

Tgt Ion: 65 Resp: 124303  
Ion Ratio Lower Upper  
65 100  
67 56.1 0.0 107.2

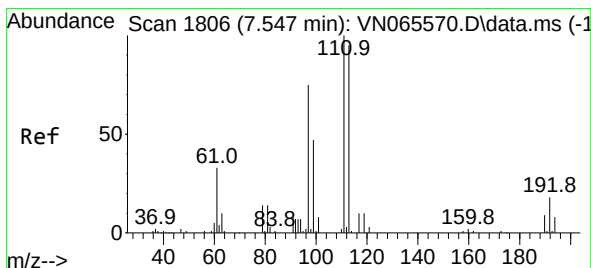
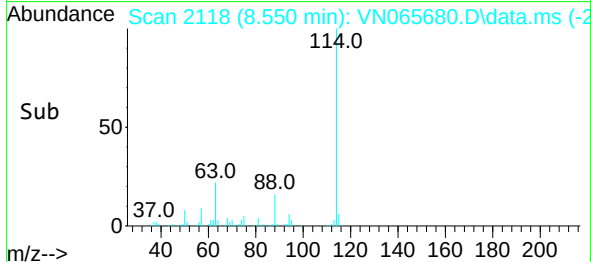
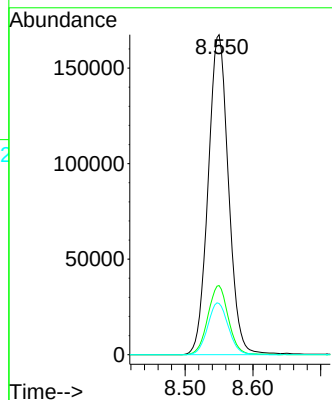
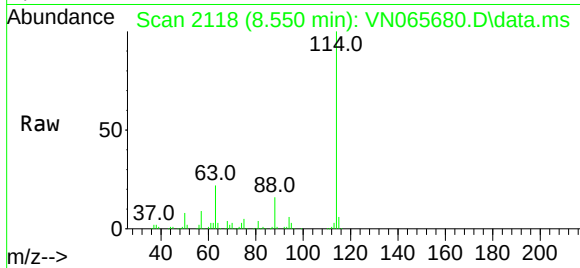




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

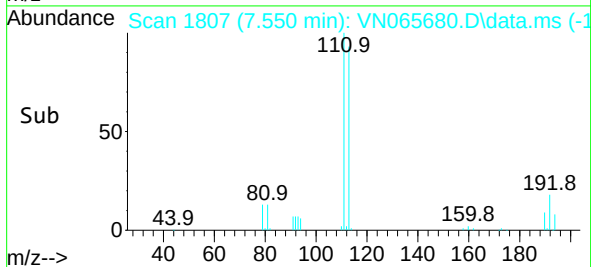
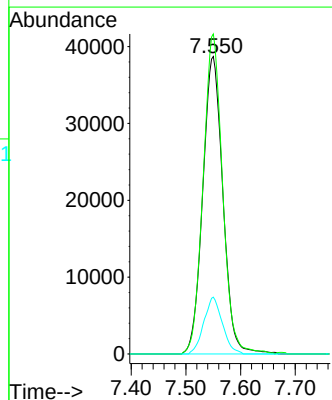
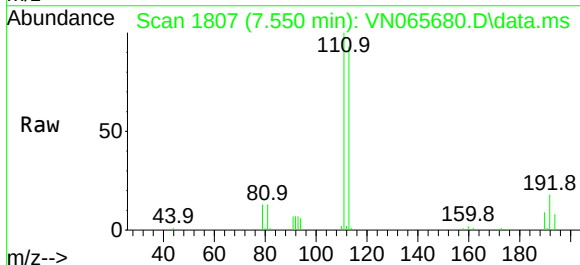
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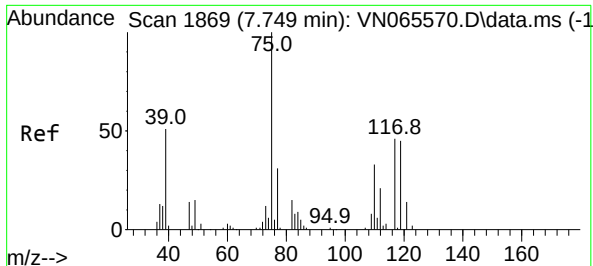
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 348558 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 21.6  | 0.0   | 38.6   |
| 88        | 16.0  | 0.0   | 30.6   |



#35  
Dibromofluoromethane  
Concen: 47.90 ug/l  
RT: 7.550 min Scan# 1807  
Delta R.T. 0.003 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 98940 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 103.9 | 82.2  | 123.2 |
| 192       | 17.6  | 15.4  | 23.0  |

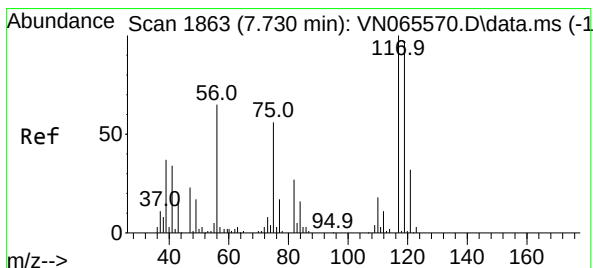
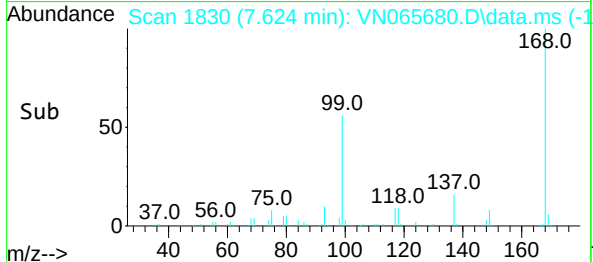
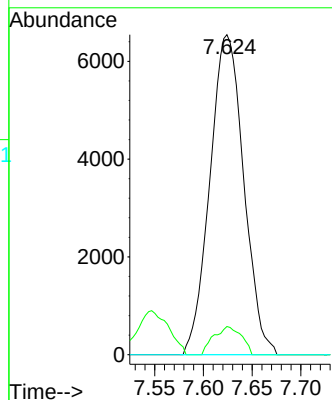
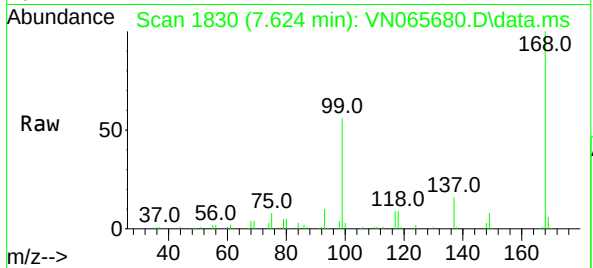




#36  
1,1-Dichloropropene  
Concen: 4.51 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.125 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

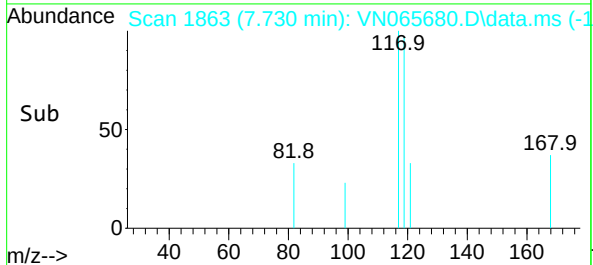
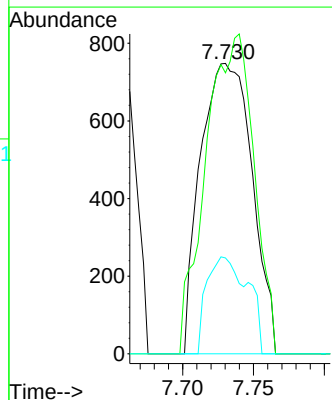
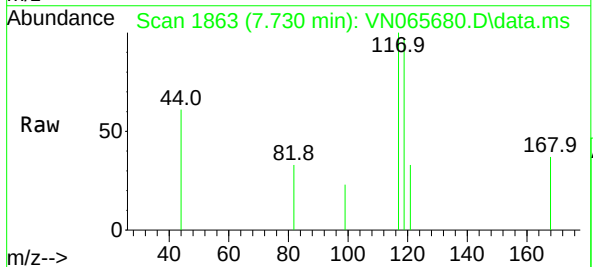
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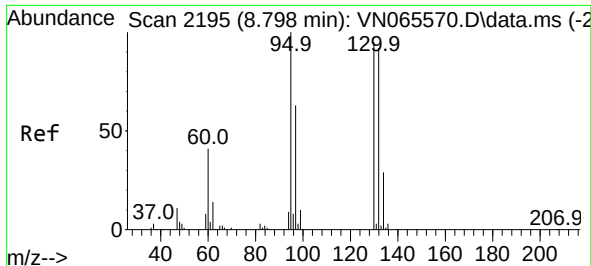
Tgt Ion: 75 Resp: 15809  
Ion Ratio Lower Upper  
75 100  
110 7.2 18.2 54.6#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 0.66 ug/l  
RT: 7.730 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

Tgt Ion: 117 Resp: 1897  
Ion Ratio Lower Upper  
117 100  
119 96.8 76.0 114.0  
121 33.0 24.5 36.7

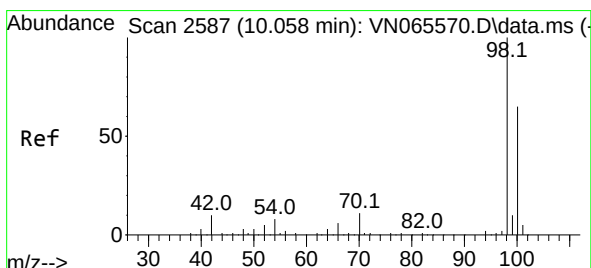
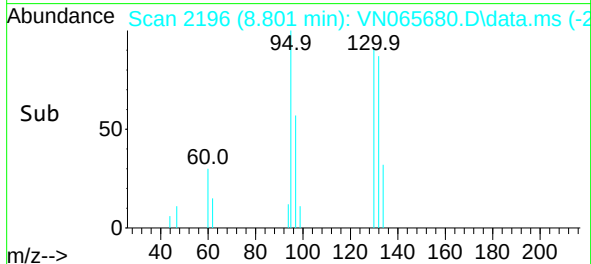
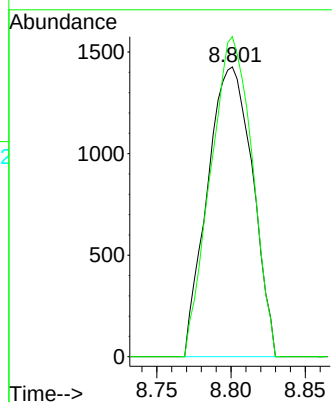
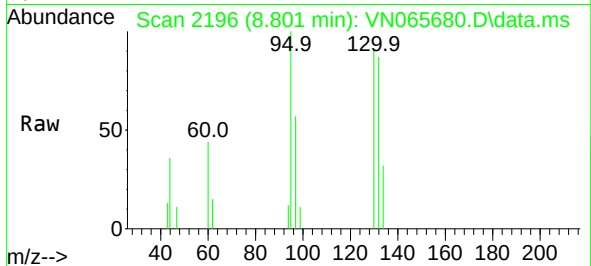




#44  
Trichloroethene  
Concen: 1.16 ug/l  
RT: 8.801 min Scan# 2196  
Delta R.T. 0.003 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

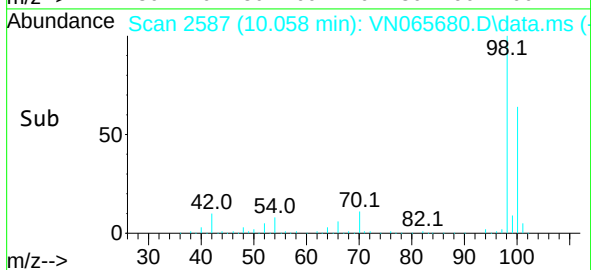
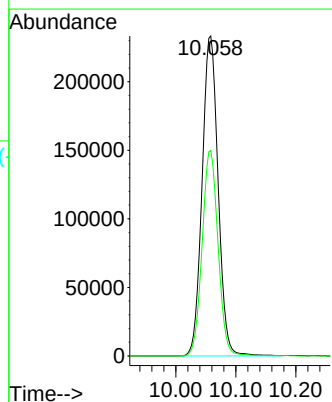
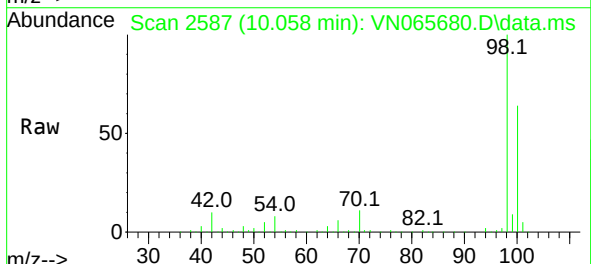
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2D(ONSITE)

Tgt Ion:130 Resp: 3016  
Ion Ratio Lower Upper  
130 100  
95 110.4 0.0 199.6

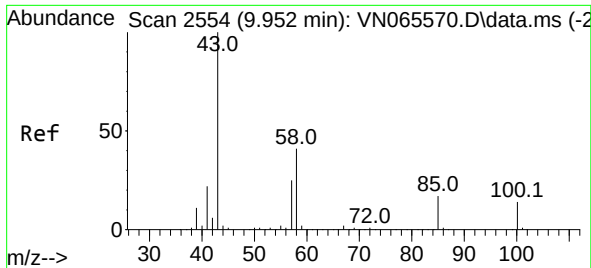


#50  
Toluene-d8  
Concen: 53.54 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

Tgt Ion: 98 Resp: 434732  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.5 75.7



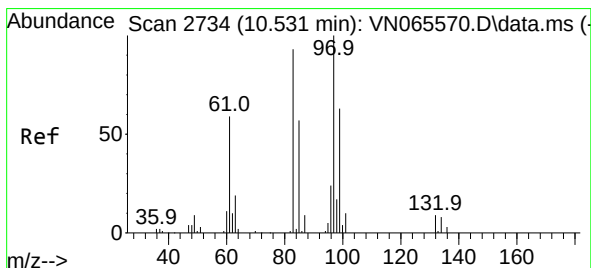
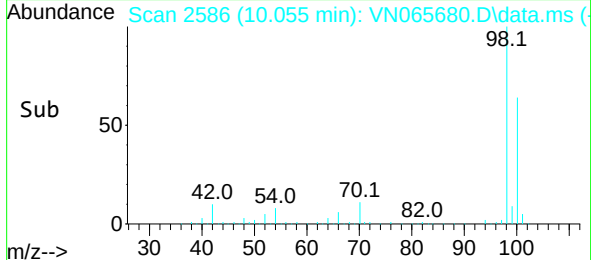
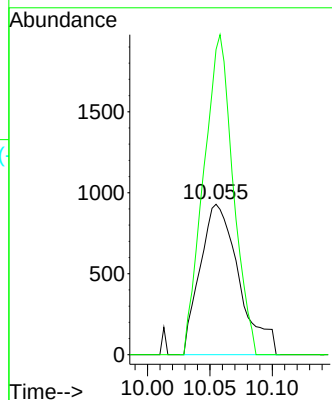
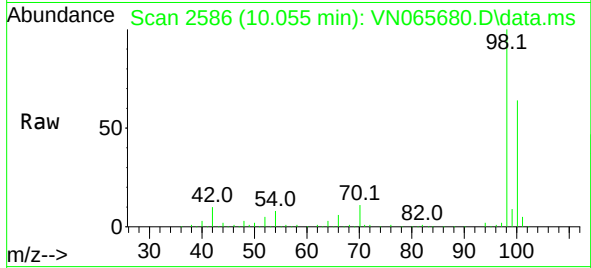




#51  
4-Methyl-2-Pentanone  
Concen: 0.61 ug/l  
RT: 10.055 min Scan# 2586  
Delta R.T. 0.103 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

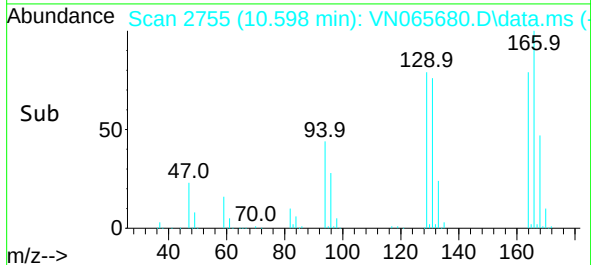
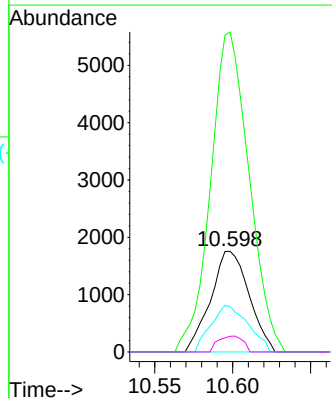
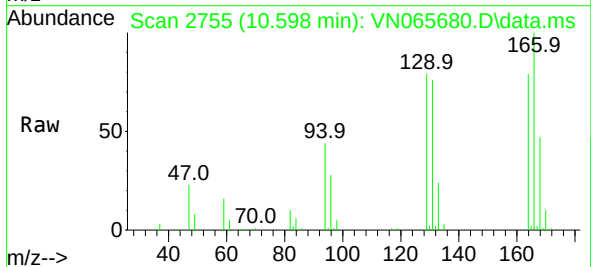
Instrument :  
MSVOA\_N  
ClientSampleId :  
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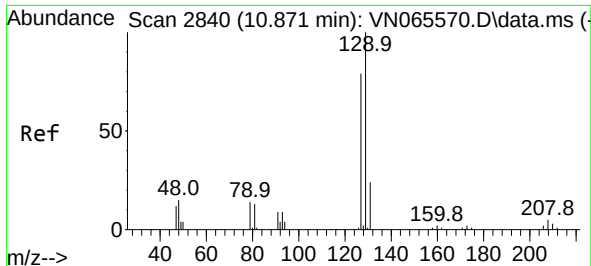
Tgt Ion: 43 Resp: 2020  
Ion Ratio Lower Upper  
43 100  
58 161.3 32.5 48.7#



#55  
1,1,2-Trichloroethane  
Concen: 1.24 ug/l  
RT: 10.598 min Scan# 2755  
Delta R.T. 0.067 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

Tgt Ion: 97 Resp: 3008  
Ion Ratio Lower Upper  
97 100  
83 308.7 67.7 101.5#  
85 45.0 44.5 66.7  
99 15.6 49.4 74.0#

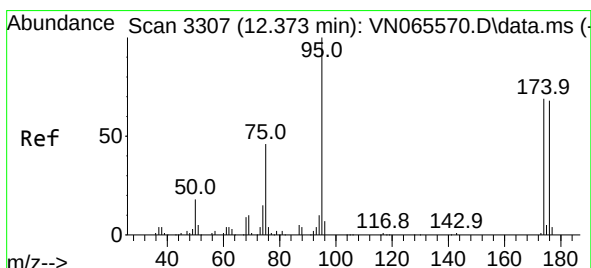
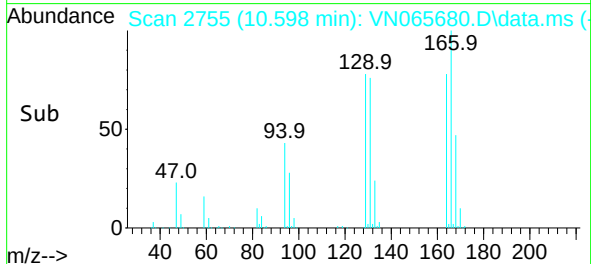
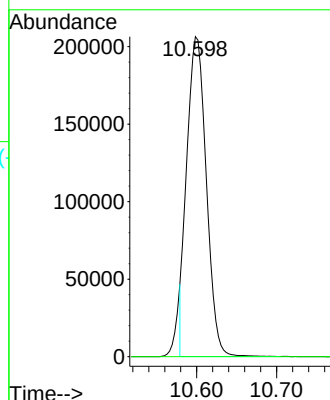
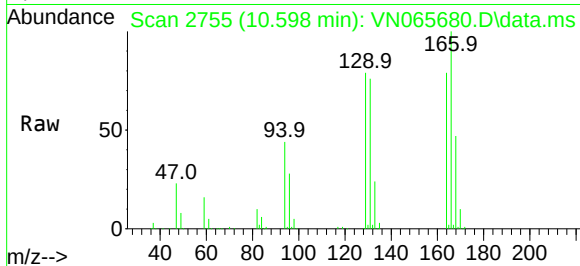




#60  
Dibromochloromethane  
Concen: 140.50 ug/l  
RT: 10.598 min Scan# 2755  
Delta R.T. -0.273 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

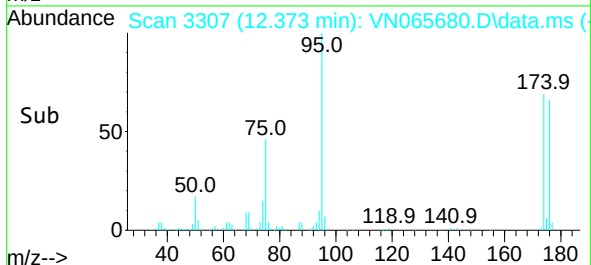
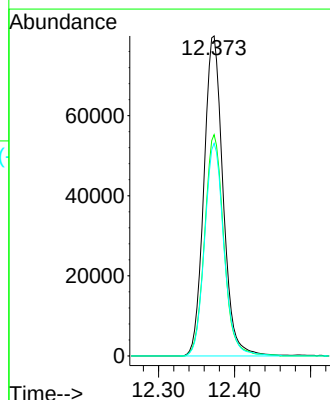
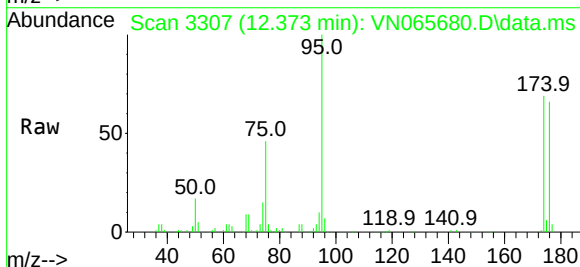
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2D(ONSITE)

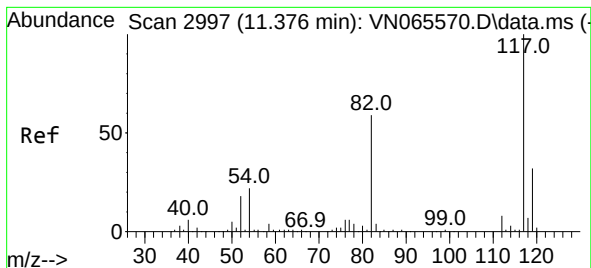
Tgt Ion:129 Resp: 347510  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#



#62  
4-Bromofluorobenzene  
Concen: 47.70 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.000 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

Tgt Ion: 95 Resp: 139465  
Ion Ratio Lower Upper  
95 100  
174 69.3 0.0 169.0  
176 67.1 0.0 162.4

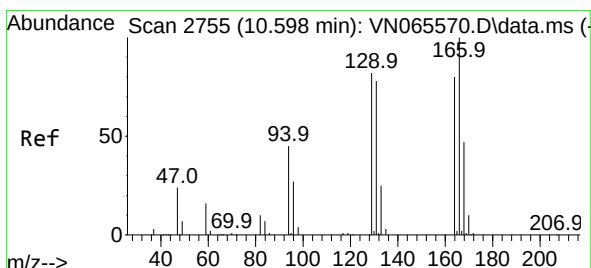
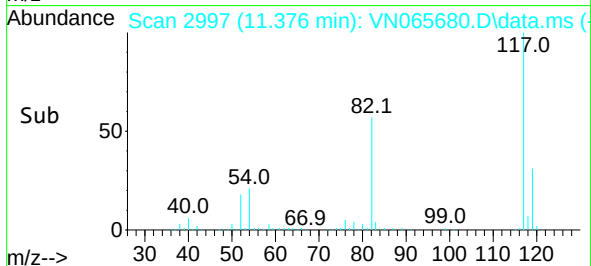
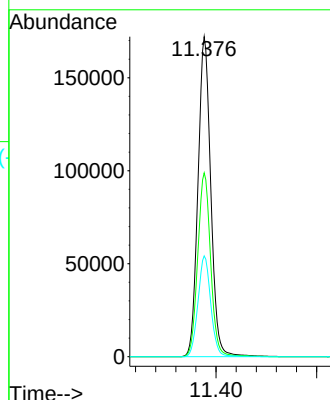
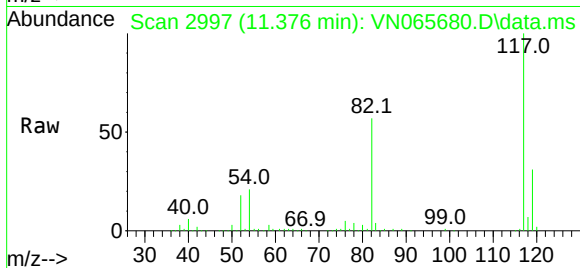




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

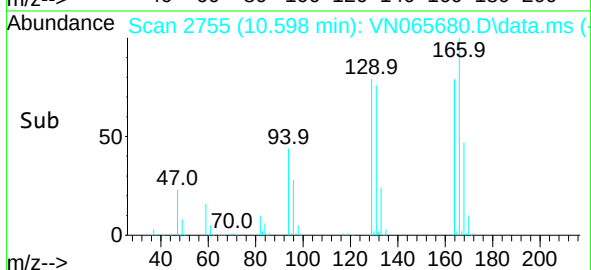
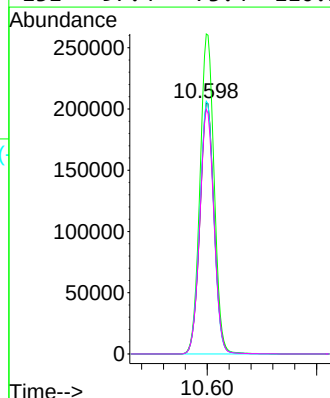
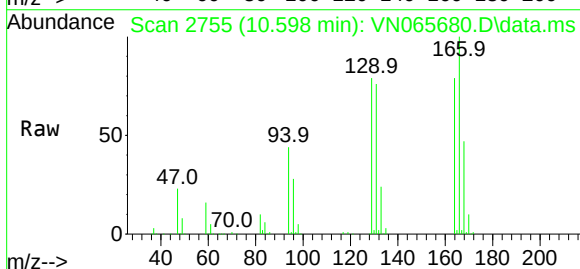
Instrument :  
MSVOA\_N  
ClientSampleId :  
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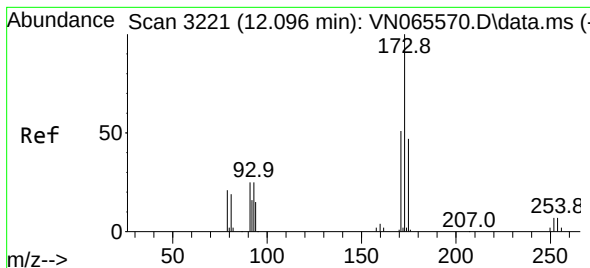
Tgt Ion:117 Resp: 304287  
Ion Ratio Lower Upper  
117 100  
82 57.5 43.7 65.5  
119 31.5 26.1 39.1



#64  
Tetrachloroethene  
Concen: 144.15 ug/l  
RT: 10.598 min Scan# 2755  
Delta R.T. 0.000 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

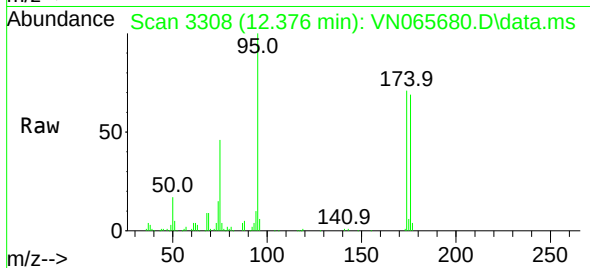
Tgt Ion:164 Resp: 367596  
Ion Ratio Lower Upper  
164 100  
166 127.4 102.6 154.0  
129 100.6 76.2 114.4  
131 97.4 73.4 110.2



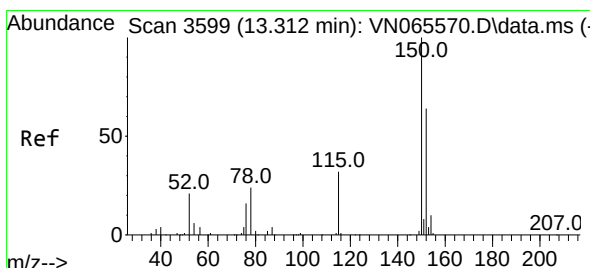
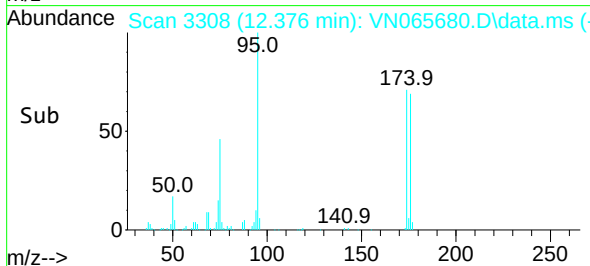
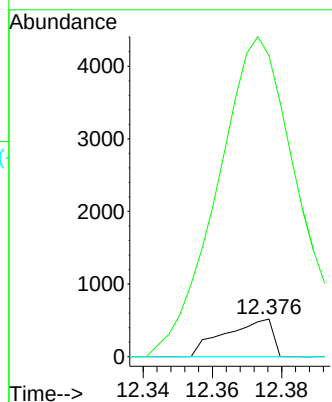


#71  
Bromoform  
Concen: 0.32 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.280 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
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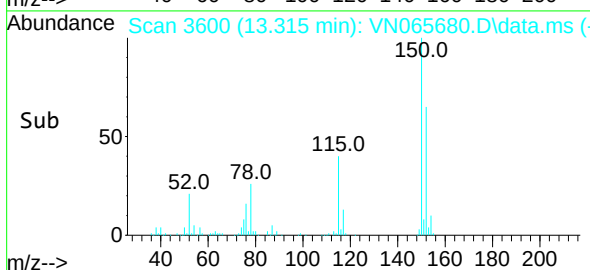
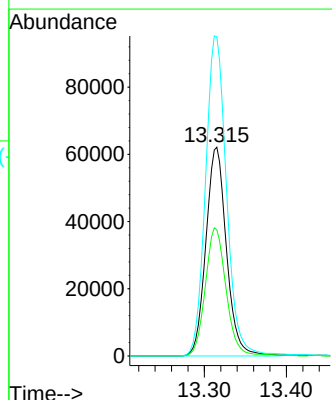
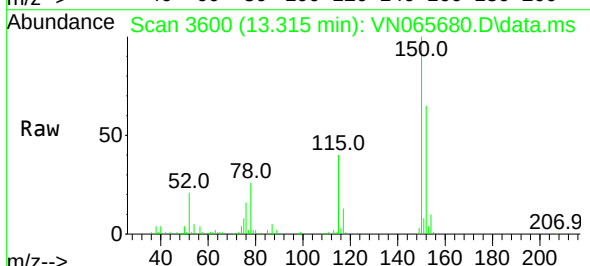


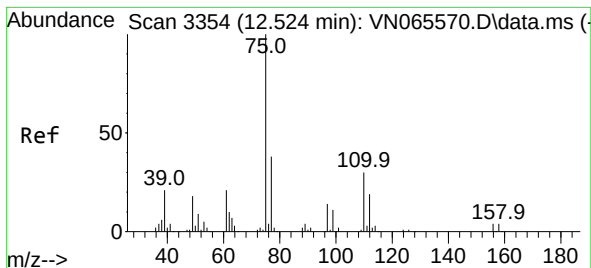
Tgt Ion:173 Resp: 497  
Ion Ratio Lower Upper  
173 100  
175 1204.0 23.8 71.2#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

Tgt Ion:152 Resp: 108283  
Ion Ratio Lower Upper  
152 100  
115 62.0 28.5 85.6  
150 156.9 0.0 347.6

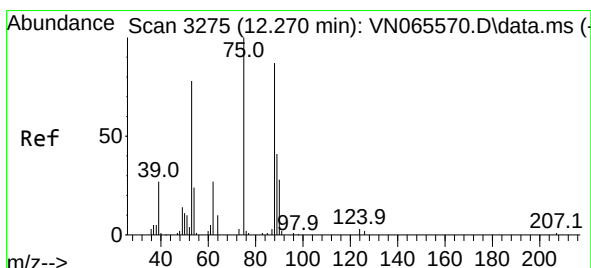
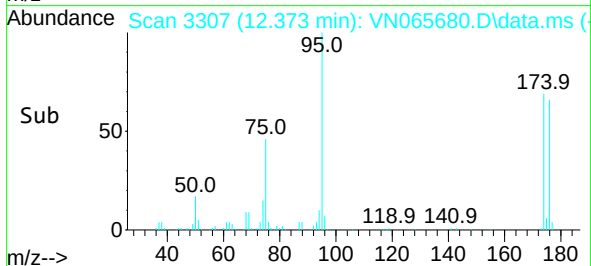
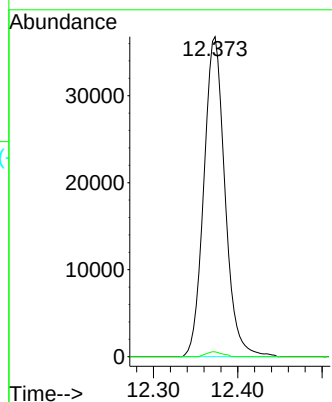
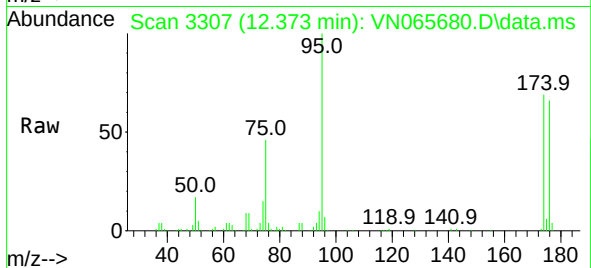




#76  
1,2,3-Trichloropropane  
Concen: 22.70 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.151 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

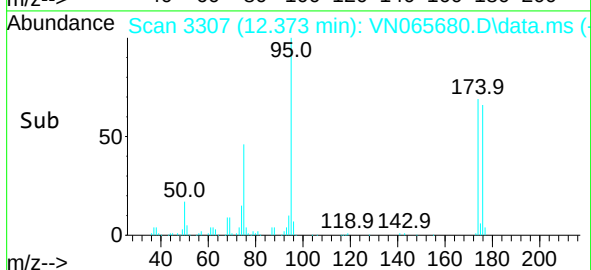
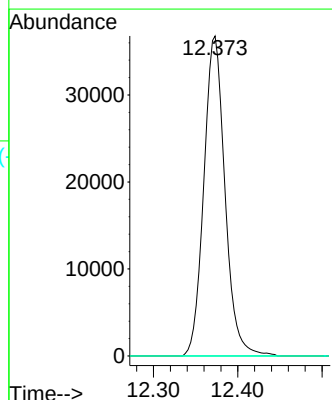
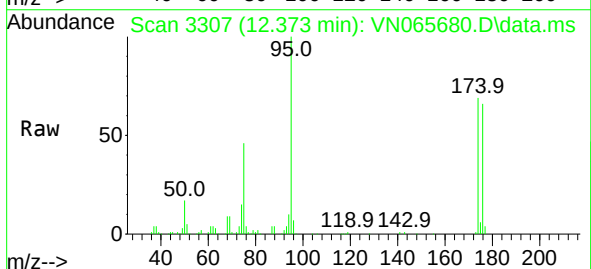
Instrument :  
MSVOA\_N  
ClientSampleId :  
152140-MW-2D(ONSITE)

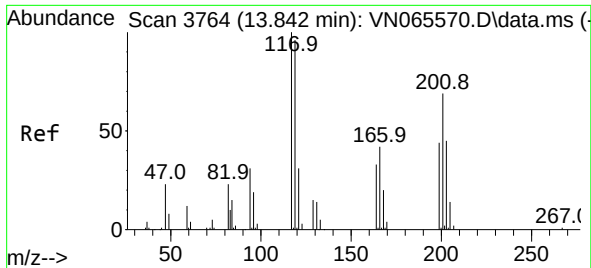
Tgt Ion: 75 Resp: 64263  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.13 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.103 min  
Lab File: VN065680.D  
Acq: 29 Jan 2021 16:28

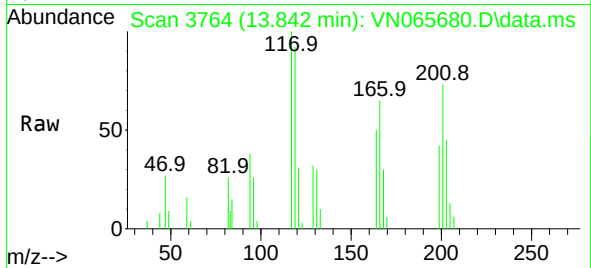
Tgt Ion: 75 Resp: 64263  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#





#90  
 Hexachloroethane  
 Concen: 8.10 ug/l  
 RT: 13.842 min Scan# 3764  
 Delta R.T. 0.000 min  
 Lab File: VN065680.D  
 Acq: 29 Jan 2021 16:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 152140-MW-2D(ONSITE)



Tgt Ion:117 Resp: 11378  
 Ion Ratio Lower Upper  
 117 100  
 201 69.7 37.8 113.3

