

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042821\  
 Data File : VN066802.D  
 Acq On : 28 Apr 2021 11:06  
 Operator : JC/MD  
 Sample : VN0428WBL01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 28 14:57:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 27 16:02:50 2021  
 Response via : Initial Calibration

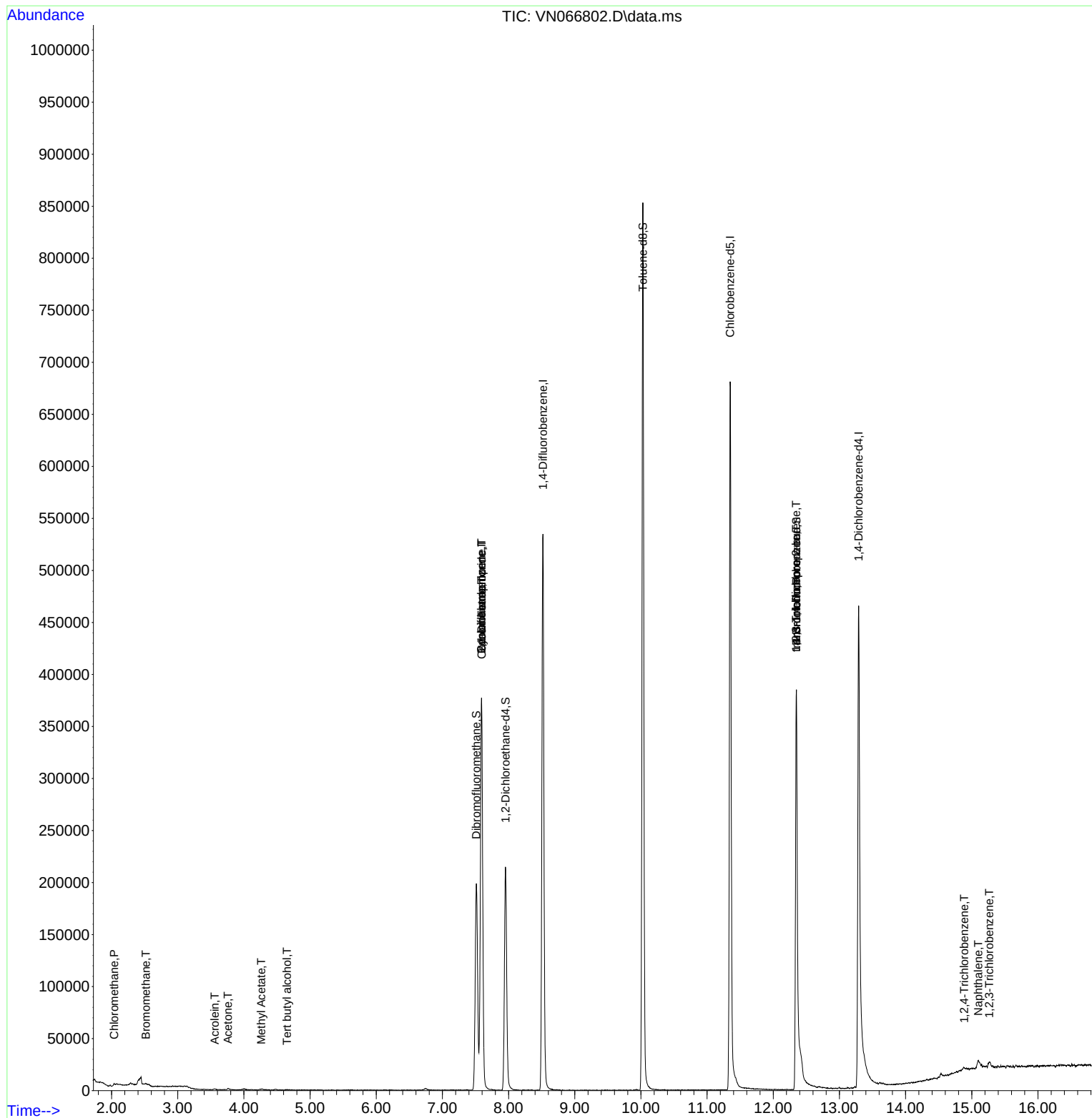
| Compound                      | R.T.   | QIon           | Response | Conc  | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| -----                         |        |                |          |       |         |          |
| Internal Standards            |        |                |          |       |         |          |
| 1) Pentafluorobenzene         | 7.591  | 168            | 342370   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.519  | 114            | 518244   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.348 | 117            | 454653   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.290 | 152            | 196005   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds   |        |                |          |       |         |          |
| 33) 1,2-Dichloroethane-d4     | 7.953  | 65             | 187612   | 42.65 | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 61 - 141 | Recovery | =     | 85.30%  |          |
| 35) Dibromofluoromethane      | 7.513  | 113            | 160570   | 50.19 | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 69 - 133 | Recovery | =     | 100.38% |          |
| 50) Toluene-d8                | 10.029 | 98             | 619424   | 49.33 | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 65 - 126 | Recovery | =     | 98.66%  |          |
| 62) 4-Bromofluorobenzene      | 12.349 | 95             | 189125   | 44.51 | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 58 - 135 | Recovery | =     | 89.02%  |          |
| Target Compounds              |        |                |          |       |         |          |
|                               |        |                |          |       | Qvalue  |          |
| 3) Chloromethane              | 2.039  | 50             | 1225     | 0.25  | ug/l    | 91       |
| 5) Bromomethane               | 2.519  | 94             | 684      | 0.22  | ug/l    | 86       |
| 11) Tert butyl alcohol        | 4.652  | 59             | 157      | 0.23  | ug/l #  | 73       |
| 13) Acrolein                  | 3.560  | 56             | 831      | 1.47  | ug/l #  | 79       |
| 16) Acetone                   | 3.758  | 43             | 1415     | 0.85  | ug/l    | 95       |
| 18) Methyl Acetate            | 4.263  | 43             | 1500     | 1.44  | ug/l #  | 61       |
| 31) Cyclohexane               | 7.591  | 56             | 5604     | 0.82  | ug/l #  | 1        |
| 36) 1,1-Dichloropropene       | 7.591  | 75             | 22955    | 4.77  | ug/l #  | 48       |
| 38) Carbon Tetrachloride      | 7.594  | 117            | 29168    | 6.32  | ug/l #  | 17       |
| 71) Bromoform                 | 12.349 | 173            | 1040     | 0.42  | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane    | 12.346 | 75             | 87347    | 21.14 | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.346 | 75             | 87347    | 57.79 | ug/l #  | 12       |
| 93) 1,2,4-Trichlorobenzene    | 14.886 | 180            | 1875     | 0.55  | ug/l #  | 51       |
| 95) Naphthalene               | 15.098 | 128            | 10318    | 1.19  | ug/l #  | 84       |
| 96) 1,2,3-Trichlorobenzene    | 15.264 | 180            | 2612     | 0.80  | ug/l    | 97       |
| -----                         |        |                |          |       |         |          |

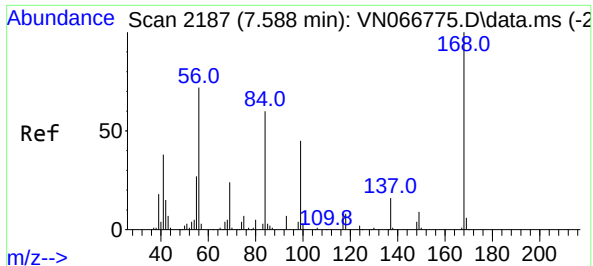
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042821\  
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Sample : VN0428WBL01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Apr 28 14:57:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 27 16:02:50 2021  
Response via : Initial Calibration

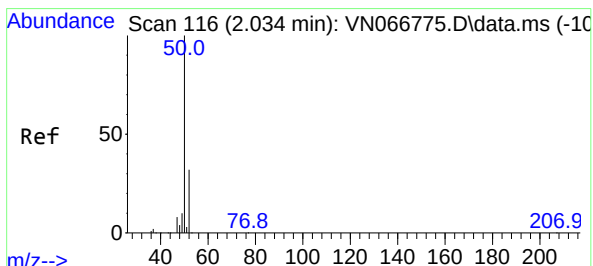
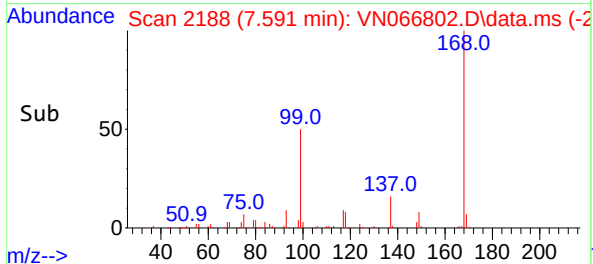
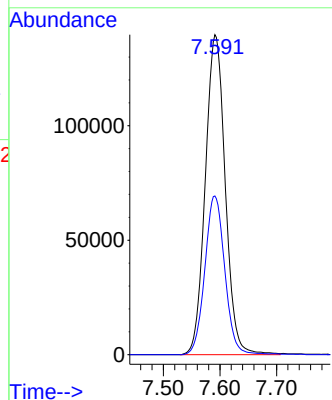
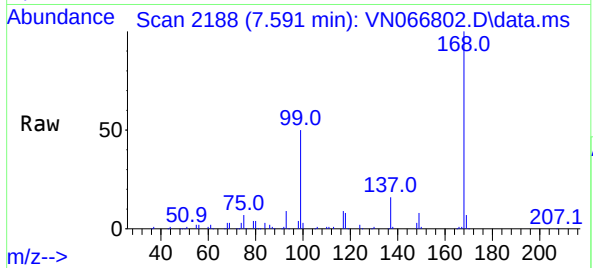




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.591 min Scan# 2188  
Delta R.T. 0.003 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

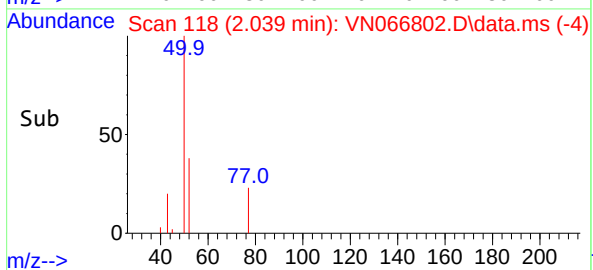
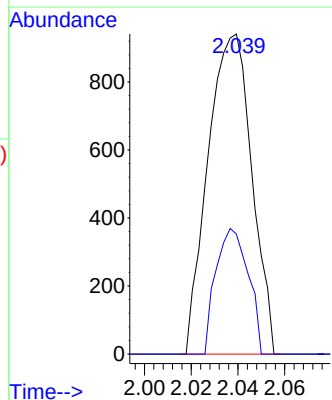
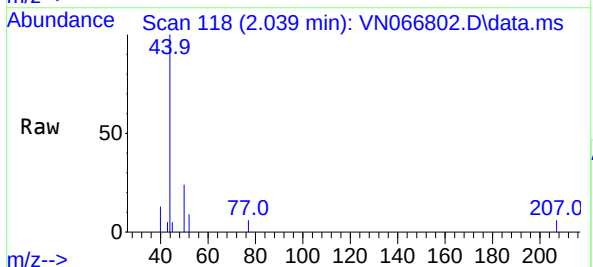
Instrument :  
MSVOA\_N  
ClientSampled :

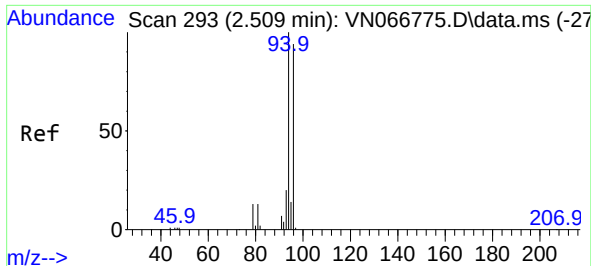
Tgt Ion:168 Resp: 342370  
Ion Ratio Lower Upper  
168 100  
99 49.6 42.6 63.8



#3  
Chloromethane  
Concen: 0.25 ug/l  
RT: 2.039 min Scan# 118  
Delta R.T. 0.005 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

Tgt Ion: 50 Resp: 1225  
Ion Ratio Lower Upper  
50 100  
52 37.5 25.8 38.8

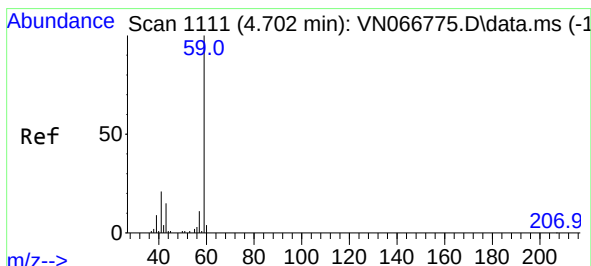
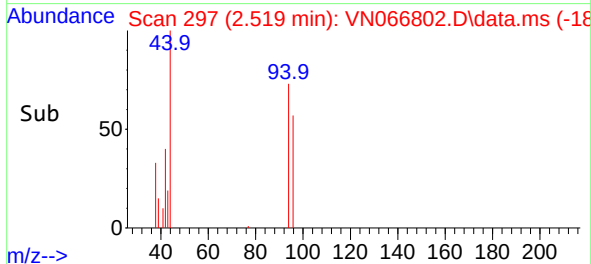
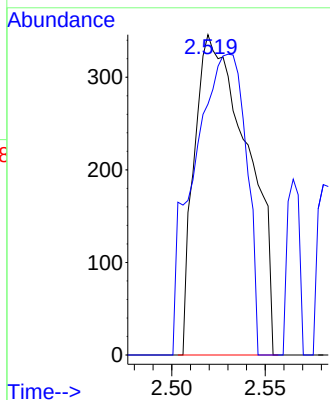
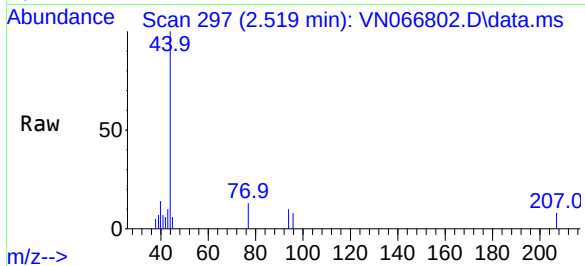




#5  
Bromomethane  
Concen: 0.22 ug/l  
RT: 2.519 min Scan# 297  
Delta R.T. 0.010 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

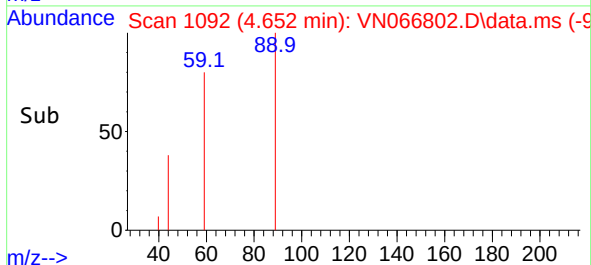
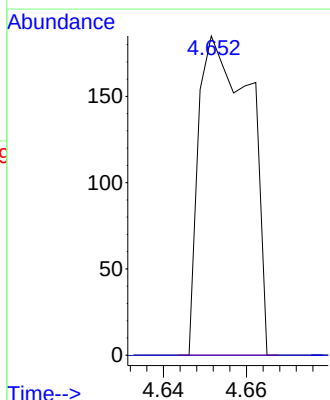
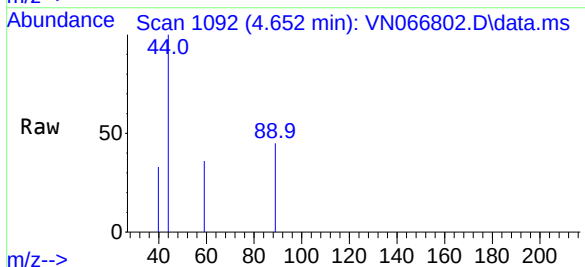
Instrument :  
MSVOA\_N  
ClientSampled :

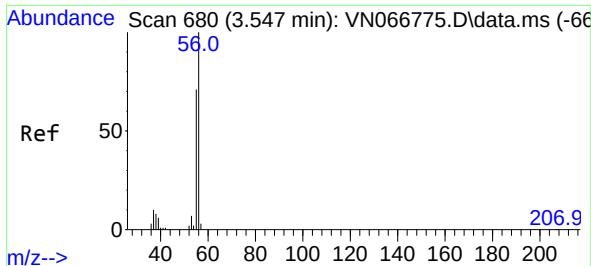
Tgt Ion: 94 Resp: 684  
Ion Ratio Lower Upper  
94 100  
96 78.3 73.0 109.4



#11  
Tert butyl alcohol  
Concen: 0.23 ug/l  
RT: 4.652 min Scan# 1092  
Delta R.T. -0.050 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

Tgt Ion: 59 Resp: 157  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

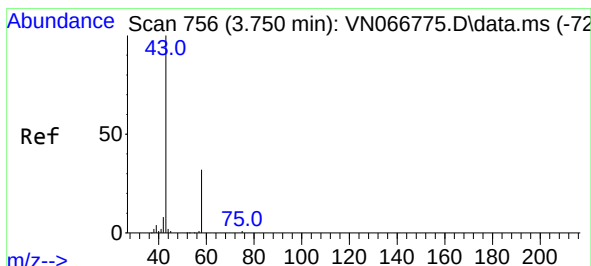
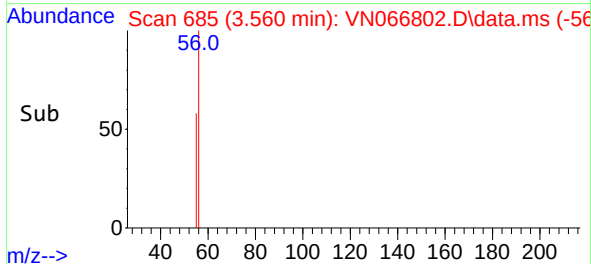
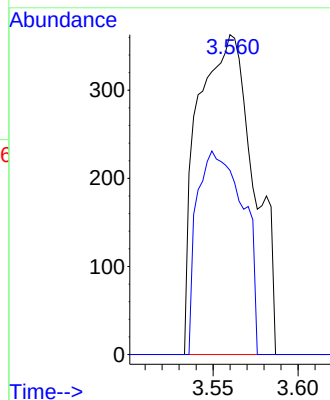
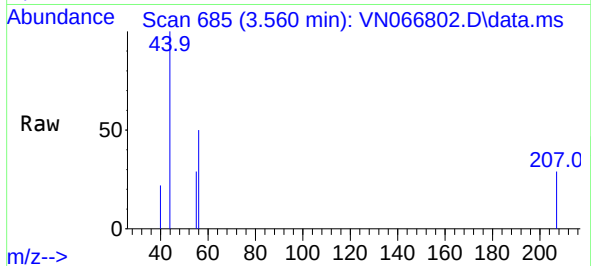




#13  
Acrolein  
Concen: 1.47 ug/l  
RT: 3.560 min Scan# 685  
Delta R.T. 0.013 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

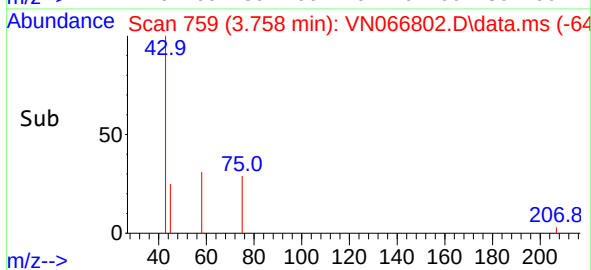
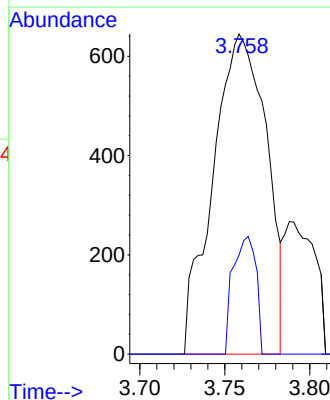
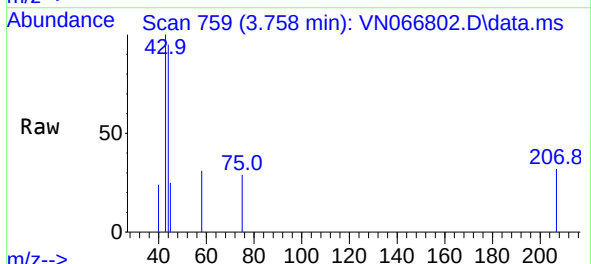
Instrument :  
MSVOA\_N  
ClientSampled :

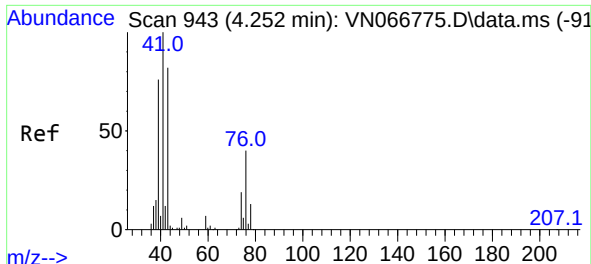
Tgt Ion: 56 Resp: 831  
Ion Ratio Lower Upper  
56 100  
55 52.6 56.0 84.0#



#16  
Acetone  
Concen: 0.85 ug/l  
RT: 3.758 min Scan# 759  
Delta R.T. 0.008 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

Tgt Ion: 43 Resp: 1415  
Ion Ratio Lower Upper  
43 100  
58 31.0 27.0 40.6





#18

Methyl Acetate

Concen: 1.44 ug/l

RT: 4.263 min Scan# 947

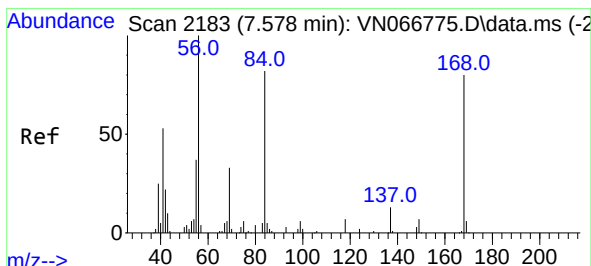
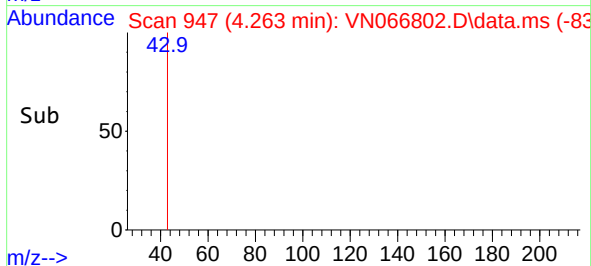
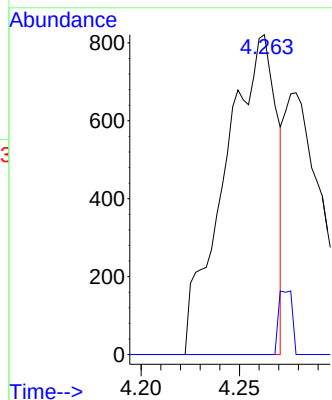
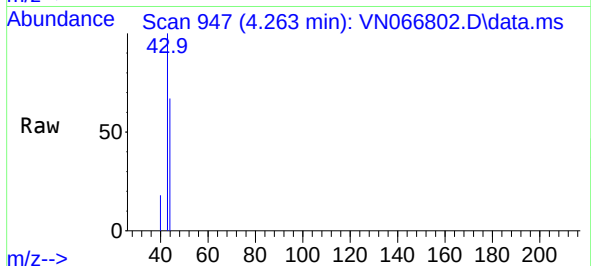
Delta R.T. 0.011 min

Lab File: VN066802.D

Acq: 28 Apr 2021 11:06

Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion: 43 Resp: 1500  
Ion Ratio Lower Upper  
43 100  
74 5.2 19.5 29.3#



#31

Cyclohexane

Concen: 0.82 ug/l

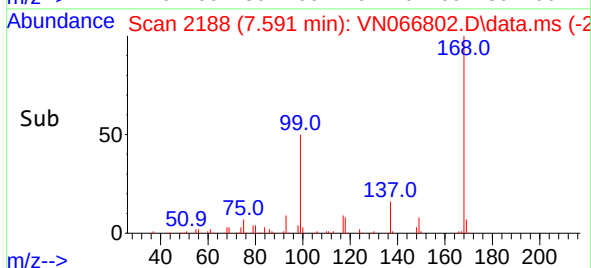
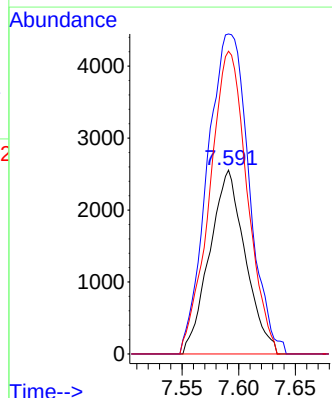
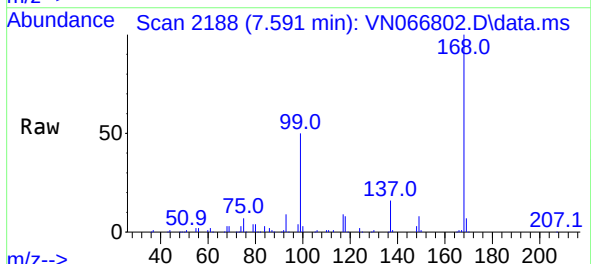
RT: 7.591 min Scan# 2188

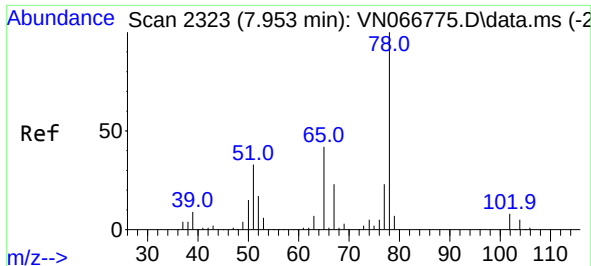
Delta R.T. 0.013 min

Lab File: VN066802.D

Acq: 28 Apr 2021 11:06

Tgt Ion: 56 Resp: 5604  
Ion Ratio Lower Upper  
56 100  
69 174.1 26.6 39.8#  
84 164.6 70.4 105.6#

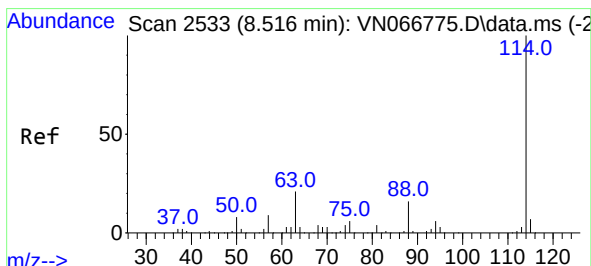
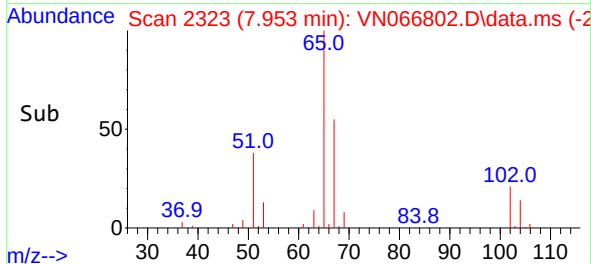
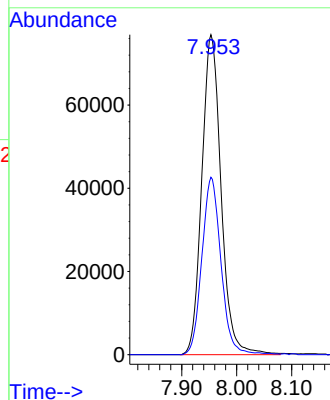
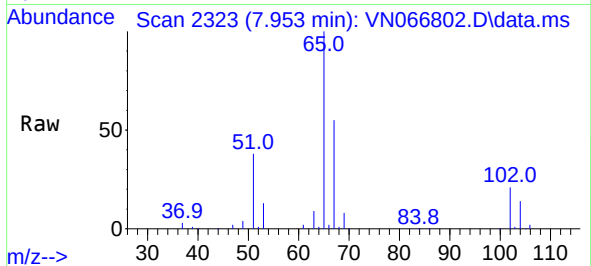




#33  
1,2-Dichloroethane-d4  
Concen: 42.65 ug/l  
RT: 7.953 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

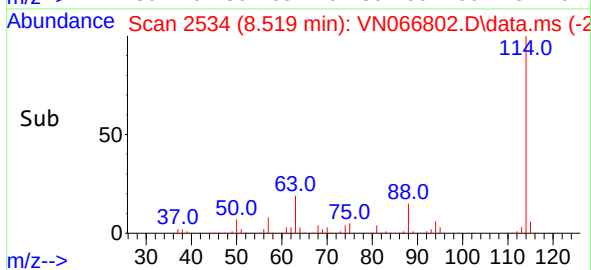
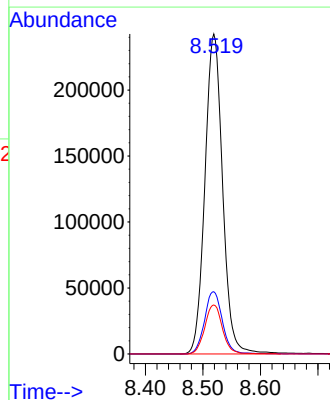
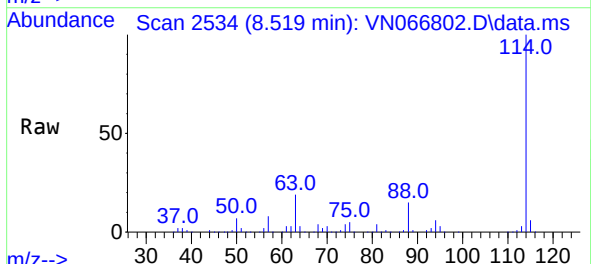
Tgt Ion: 65 Resp: 187612  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 107.2

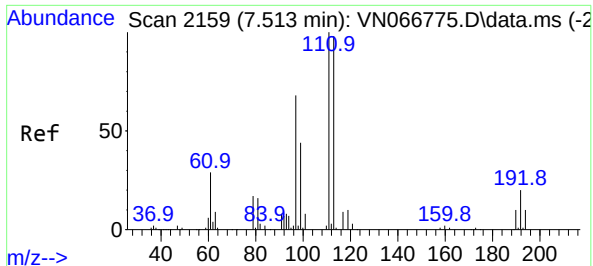
Instrument :  
MSVOA\_N  
ClientSampled :



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.519 min Scan# 2534  
Delta R.T. 0.003 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

Tgt Ion: 114 Resp: 518244  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 38.6  
88 15.3 0.0 30.6

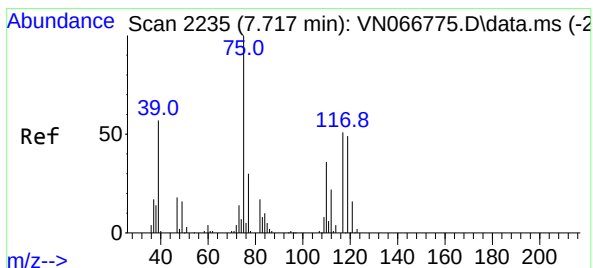
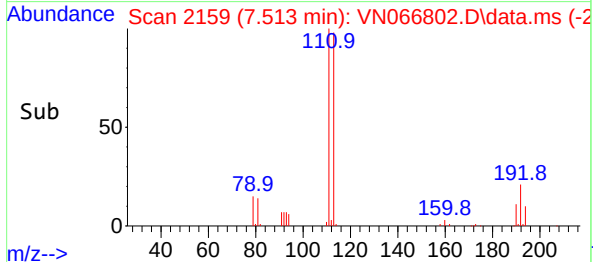
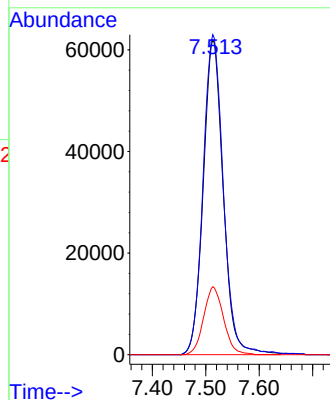
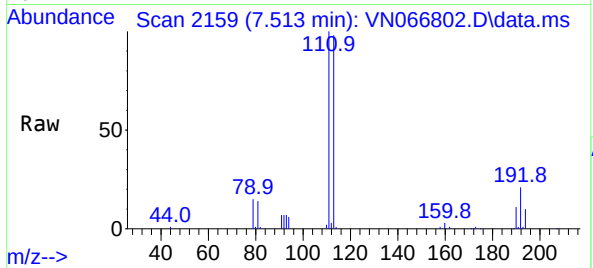




#35  
Dibromofluoromethane  
Concen: 50.19 ug/l  
RT: 7.513 min Scan# 2159  
Delta R.T. 0.000 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

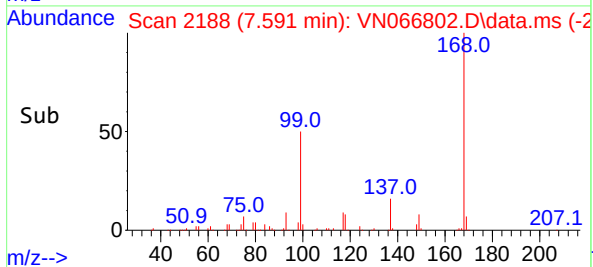
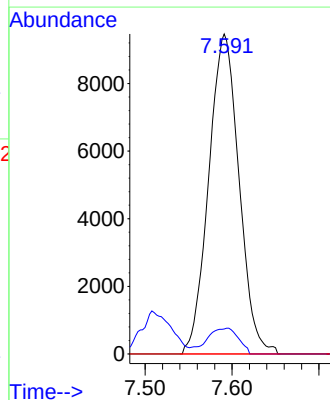
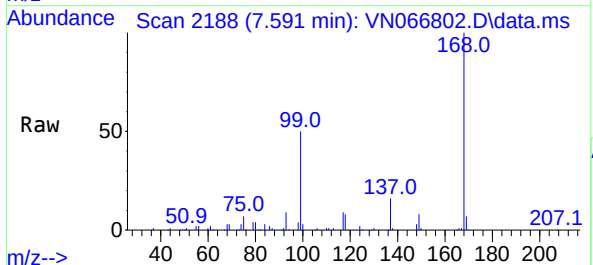
Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion:113 Resp: 160570  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.2 123.2  
192 21.5 15.4 23.0

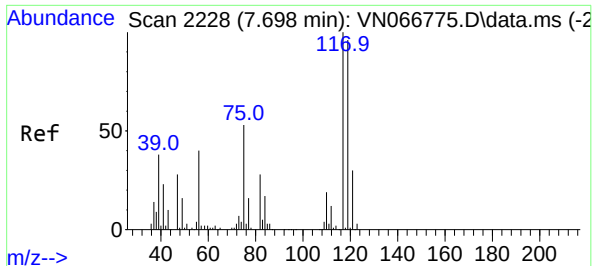


#36  
1,1-Dichloropropene  
Concen: 4.77 ug/l  
RT: 7.591 min Scan# 2188  
Delta R.T. -0.126 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

Tgt Ion: 75 Resp: 22955  
Ion Ratio Lower Upper  
75 100  
110 7.8 18.2 54.6#  
77 0.0 24.9 37.3#

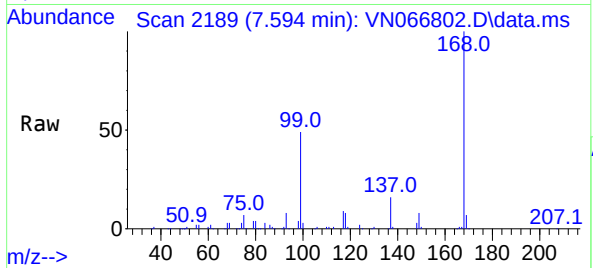




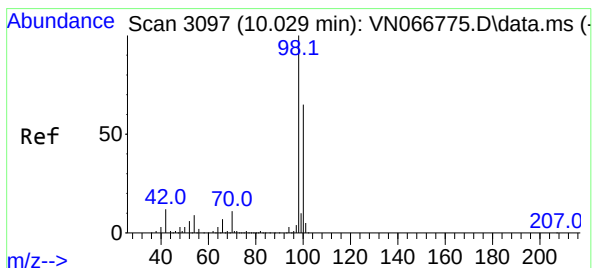
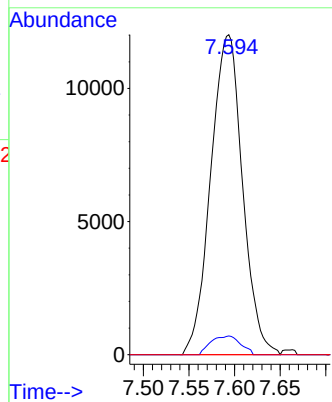
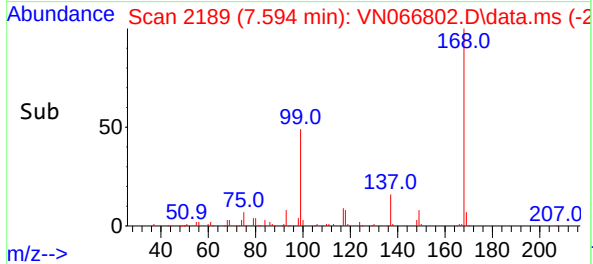


#38  
Carbon Tetrachloride  
Concen: 6.32 ug/l  
RT: 7.594 min Scan# 2189  
Delta R.T. -0.104 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

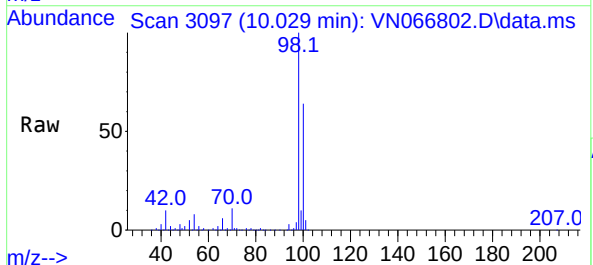
Instrument :  
MSVOA\_N  
ClientSampled :



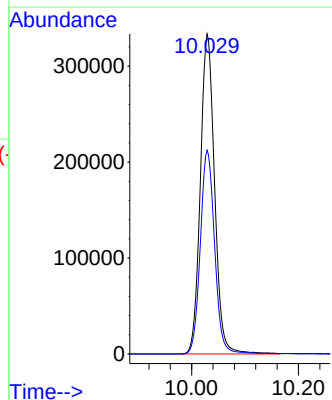
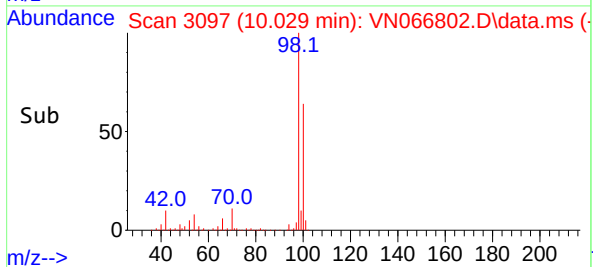
Tgt Ion:117 Resp: 29168  
Ion Ratio Lower Upper  
117 100  
119 5.9 76.0 114.0#  
121 0.0 24.5 36.7#

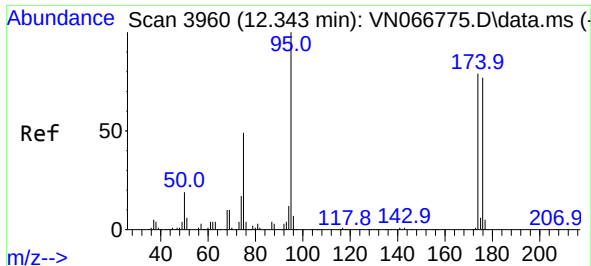


#50  
Toluene-d8  
Concen: 49.33 ug/l  
RT: 10.029 min Scan# 3097  
Delta R.T. -0.000 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06



Tgt Ion: 98 Resp: 619424  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.5 75.7



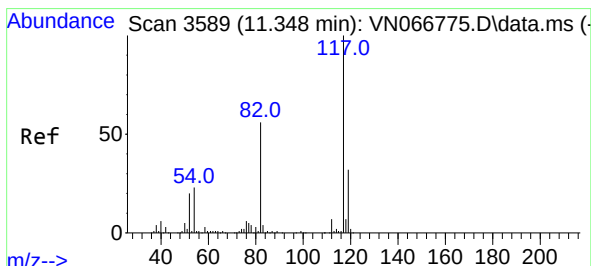
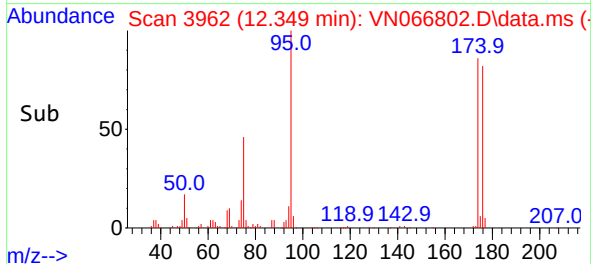
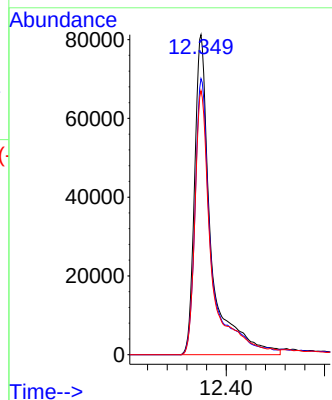
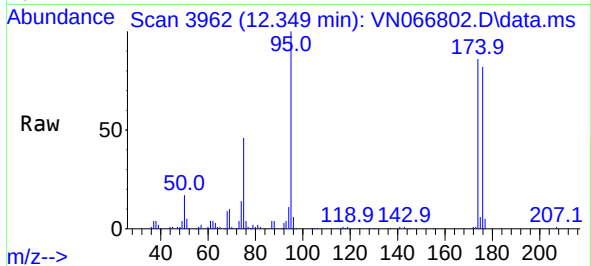


#62  
4-Bromofluorobenzene  
Concen: 44.51 ug/l  
RT: 12.349 min Scan# 3962  
Delta R.T. 0.006 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion: 95 Resp: 189125

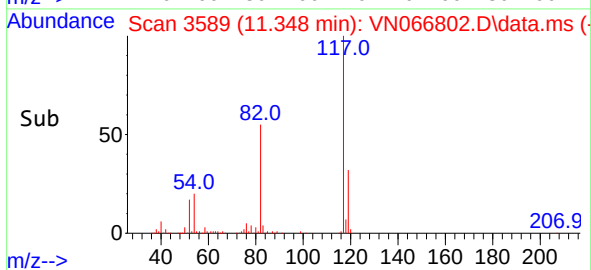
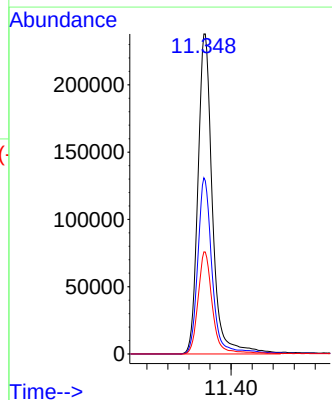
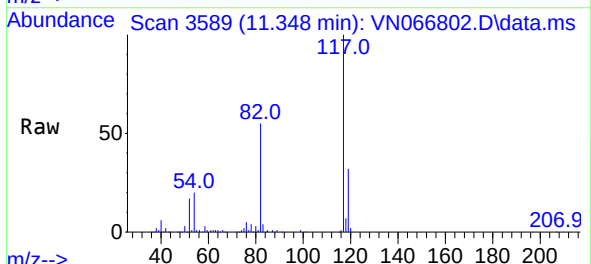
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 86.5  | 0.0   | 169.0 |
| 176 | 82.5  | 0.0   | 162.4 |

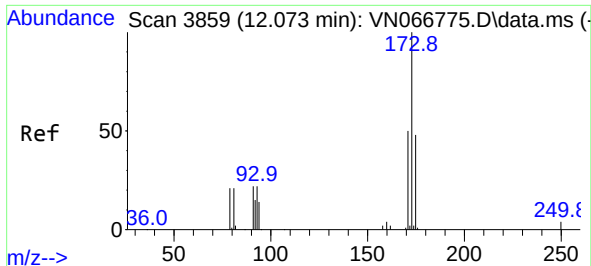


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.348 min Scan# 3589  
Delta R.T. 0.000 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

Tgt Ion: 117 Resp: 454653

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 55.1  | 43.7  | 65.5  |
| 119 | 31.9  | 26.1  | 39.1  |

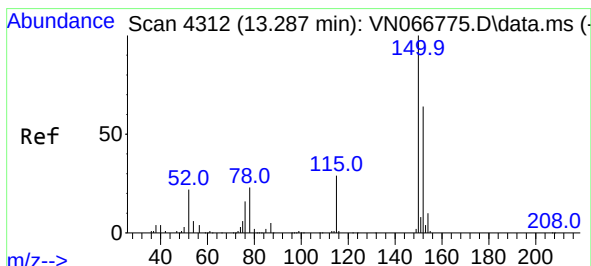
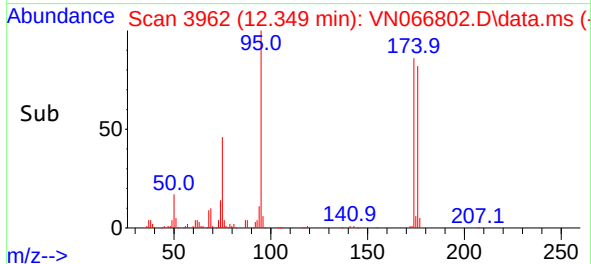
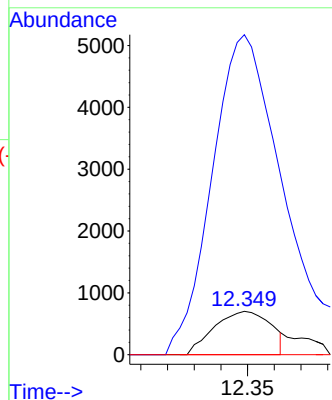
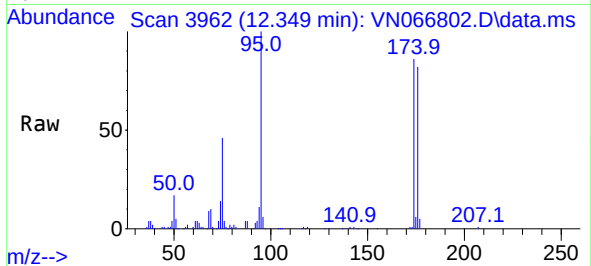




#71  
Bromoform  
Concen: 0.42 ug/l  
RT: 12.349 min Scan# 3962  
Delta R.T. 0.276 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

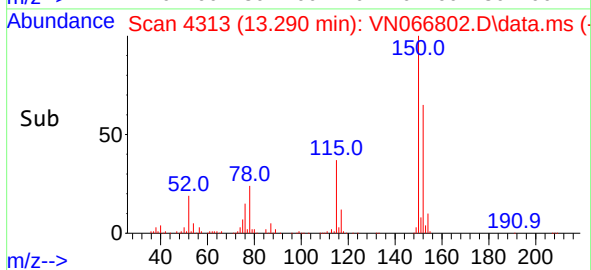
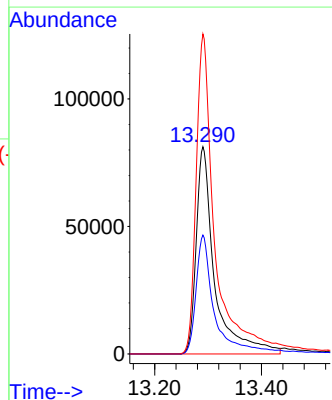
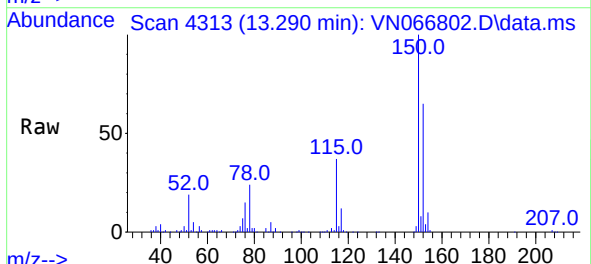
Instrument :  
MSVOA\_N  
ClientSampleId :

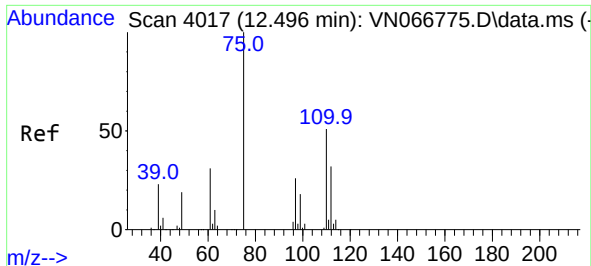
Tgt Ion:173 Resp: 1040  
Ion Ratio Lower Upper  
173 100  
175 758.2 23.8 71.2#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.290 min Scan# 4313  
Delta R.T. 0.003 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

Tgt Ion:152 Resp: 196005  
Ion Ratio Lower Upper  
152 100  
115 56.7 28.5 85.6  
150 160.2 0.0 347.6

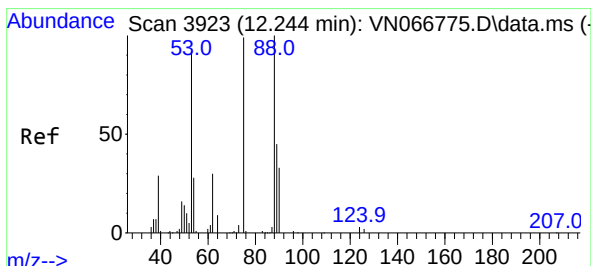
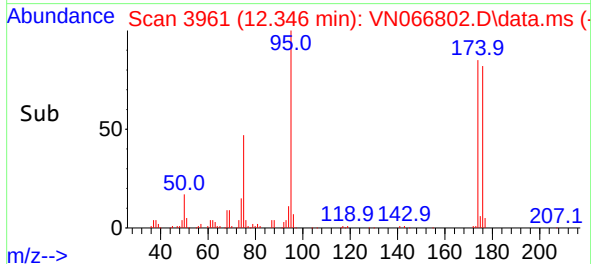
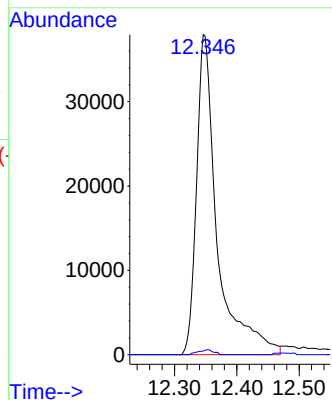
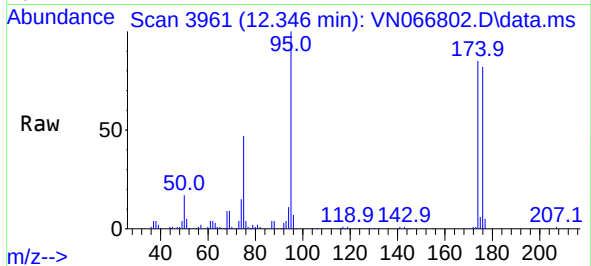




#76  
1,2,3-Trichloropropane  
Concen: 21.14 ug/l  
RT: 12.346 min Scan# 3961  
Delta R.T. -0.150 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

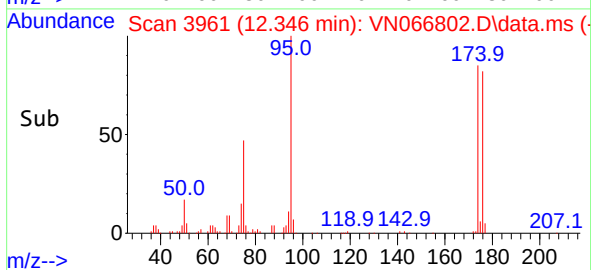
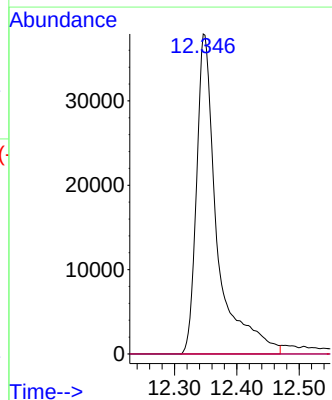
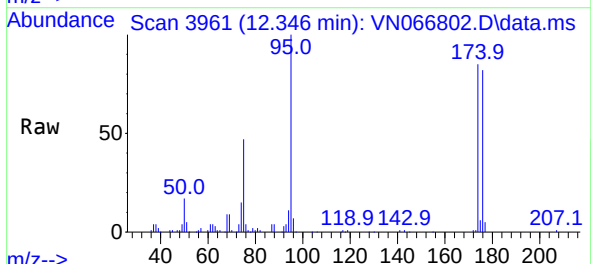
Instrument :  
MSVOA\_N  
ClientSampled :

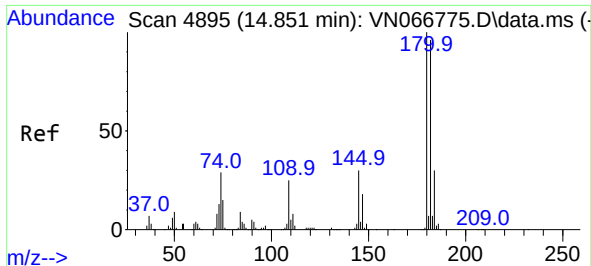
Tgt Ion: 75 Resp: 87347  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.79 ug/l  
RT: 12.346 min Scan# 3961  
Delta R.T. 0.102 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

Tgt Ion: 75 Resp: 87347  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#

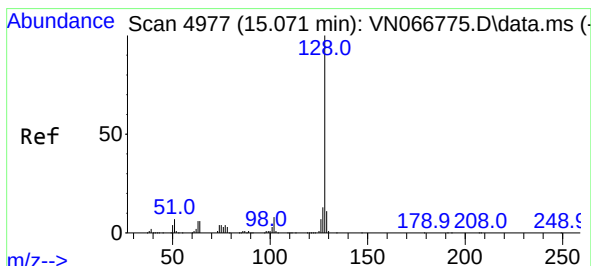
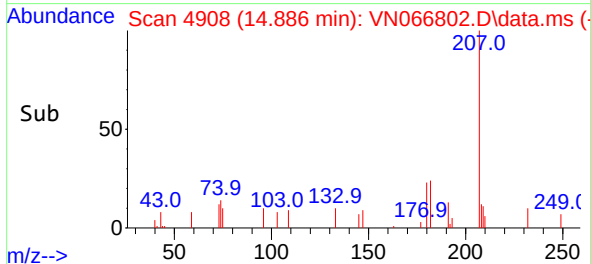
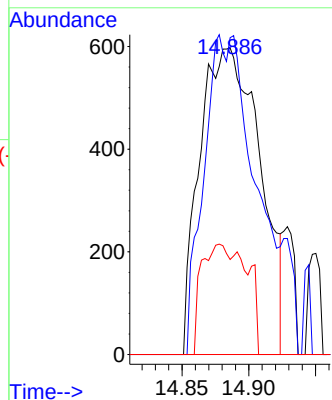
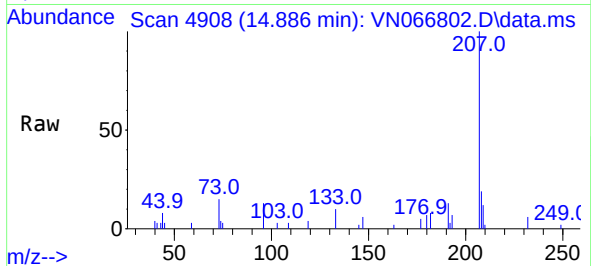




#93  
1,2,4-Trichlorobenzene  
Concen: 0.55 ug/l  
RT: 14.886 min Scan# 4908  
Delta R.T. 0.035 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

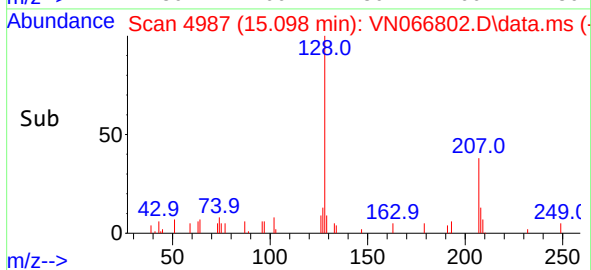
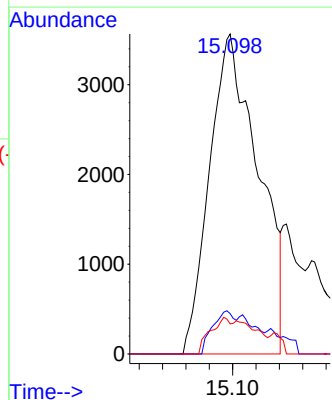
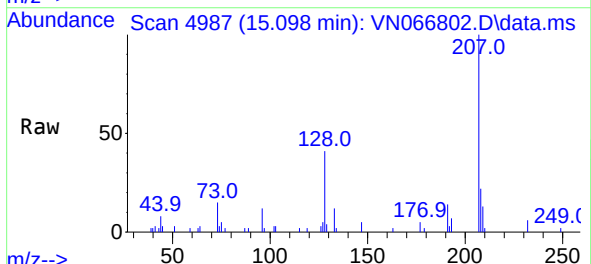
Instrument :  
MSVOA\_N  
ClientSampled :

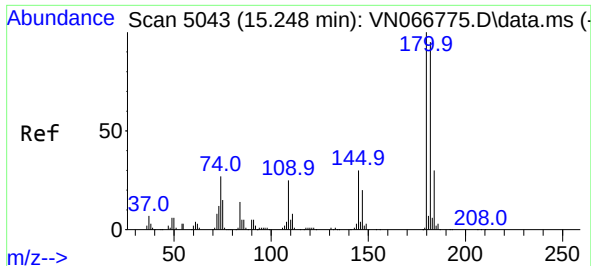
Tgt Ion:180 Resp: 1875  
Ion Ratio Lower Upper  
180 100  
182 40.2 47.3 142.0#  
145 16.5 15.6 46.8



#95  
Naphthalene  
Concen: 1.19 ug/l  
RT: 15.098 min Scan# 4987  
Delta R.T. 0.027 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

Tgt Ion:128 Resp: 10318  
Ion Ratio Lower Upper  
128 100  
127 6.2 10.2 15.2#  
129 5.1 8.6 13.0#





#96  
1,2,3-Trichlorobenzene  
Concen: 0.80 ug/l  
RT: 15.264 min Scan# 5049  
Delta R.T. 0.016 min  
Lab File: VN066802.D  
Acq: 28 Apr 2021 11:06

Instrument :  
MSVOA\_N  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2612  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 97.4  | 47.4  | 142.3 |
| 145      | 34.3  | 16.5  | 49.5  |

