

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042821\  
 Data File : VN066805.D  
 Acq On : 28 Apr 2021 12:23  
 Operator : JC/MD  
 Sample : M2160-01ME  
 Misc : 6.15g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 28 14:59:13 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

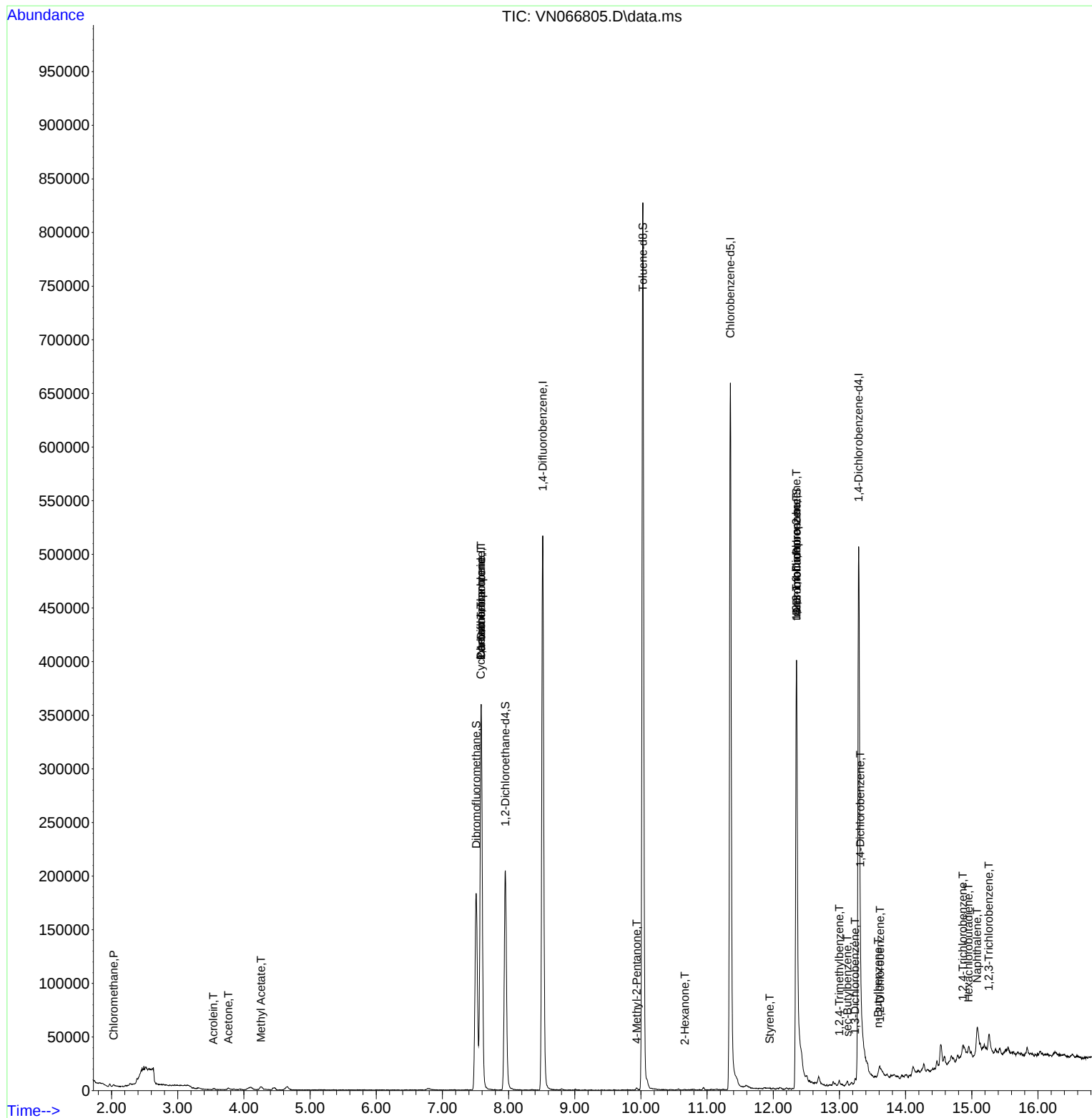
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.586  | 168   | 327514   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.516  | 114   | 499334   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.351 | 117   | 454432   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.290 | 152   | 211171   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.950  | 65    | 176931   | 42.05    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 84.10%   |
| 35) Dibromofluoromethane      | 7.511  | 113   | 151532   | 49.16    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 98.32%   |
| 50) Toluene-d8                | 10.029 | 98    | 610498   | 50.46    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 100.92%  |
| 62) 4-Bromofluorobenzene      | 12.351 | 95    | 198093   | 48.39    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 96.78%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 2.031  | 50    | 1020     | 0.22     | ug/l # | 64       |
| 13) Acrolein                  | 3.539  | 56    | 787      | 1.45     | ug/l # | 40       |
| 16) Acetone                   | 3.764  | 43    | 2207     | 1.39     | ug/l   | 100      |
| 18) Methyl Acetate            | 4.257  | 43    | 6562     | 2.61     | ug/l # | 83       |
| 31) Cyclohexane               | 7.580  | 56    | 5742     | 0.88     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.586  | 75    | 21497    | 4.63     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.586  | 117   | 27635    | 6.21     | ug/l # | 18       |
| 51) 4-Methyl-2-Pentanone      | 9.935  | 43    | 2178     | 0.51     | ug/l # | 73       |
| 59) 2-Hexanone                | 10.665 | 43    | 125      | 19.58    | ug/l # | 23       |
| 70) Styrene                   | 11.944 | 104   | 432      | 3.08     | ug/l # | 54       |
| 71) Bromoform                 | 12.351 | 173   | 913      | 0.37     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.349 | 75    | 92714    | 20.83    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.349 | 75    | 92714    | 57.04    | ug/l # | 12       |
| 84) 1,2,4-Trimethylbenzene    | 12.998 | 105   | 3711     | 0.30     | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.121 | 105   | 3610     | 0.25     | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene       | 13.234 | 146   | 1634     | 0.25     | ug/l # | 81       |
| 88) 1,4-Dichlorobenzene       | 13.314 | 146   | 1864     | 0.27     | ug/l # | 39       |
| 89) n-Butylbenzene            | 13.585 | 91    | 3094     | 0.29     | ug/l # | 69       |
| 91) 1,2-Dichlorobenzene       | 13.612 | 146   | 1527     | 0.23     | ug/l # | 68       |
| 93) 1,2,4-Trichlorobenzene    | 14.864 | 180   | 6319     | 1.73     | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.950 | 225   | 854      | 0.42     | ug/l   | 81       |
| 95) Naphthalene               | 15.082 | 128   | 34978    | 3.73     | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.256 | 180   | 8581     | 2.43     | ug/l   | 93       |
| -----                         |        |       |          |          |        |          |

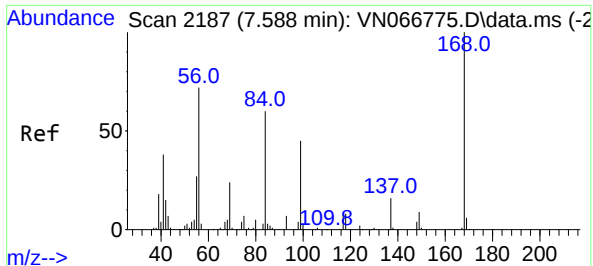
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042821\  
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Sample : M2160-01ME  
Misc : 6.15g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Apr 28 14:59:13 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

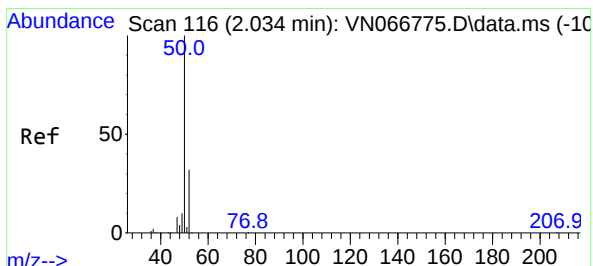
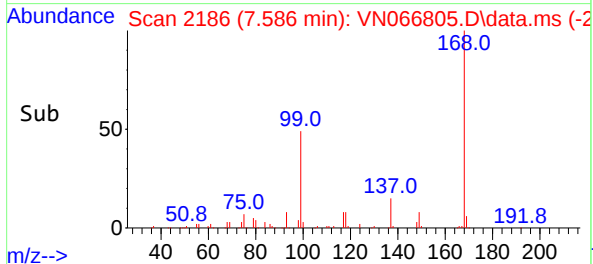
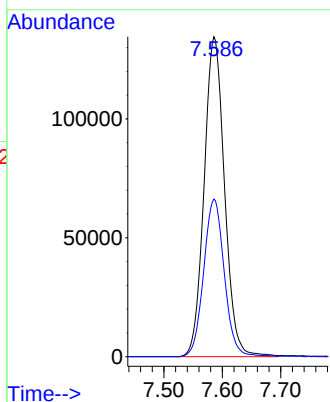
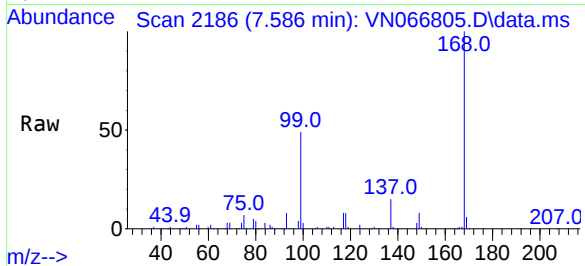




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.586 min Scan# 2186  
Delta R.T. -0.002 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

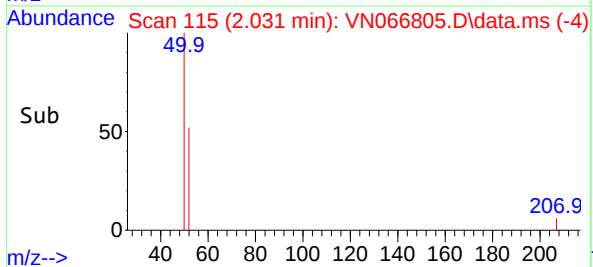
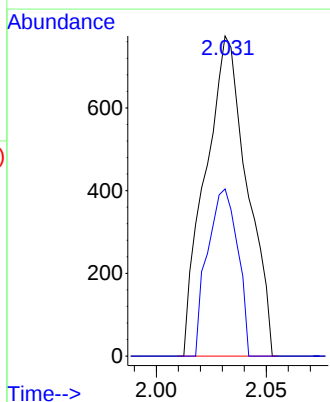
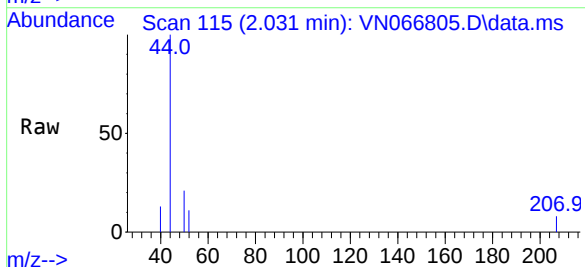
Instrument :  
MSVOA\_N  
ClientSampled :

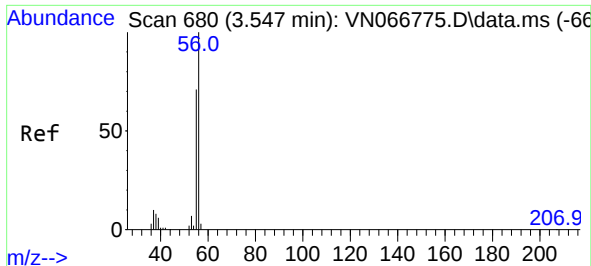
Tgt Ion:168 Resp: 327514  
Ion Ratio Lower Upper  
168 100  
99 49.3 42.6 63.8



#3  
Chloromethane  
Concen: 0.22 ug/l  
RT: 2.031 min Scan# 115  
Delta R.T. -0.003 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

Tgt Ion: 50 Resp: 1020  
Ion Ratio Lower Upper  
50 100  
52 52.2 25.8 38.8#

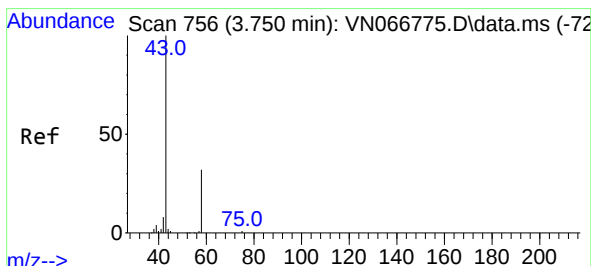
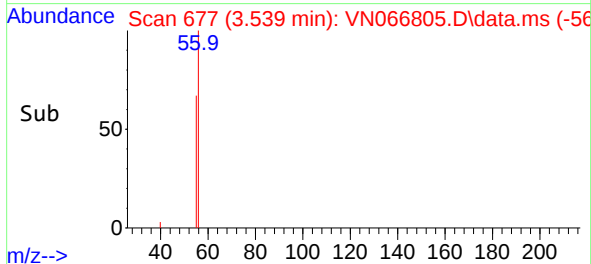
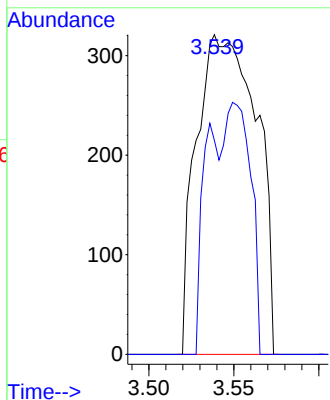
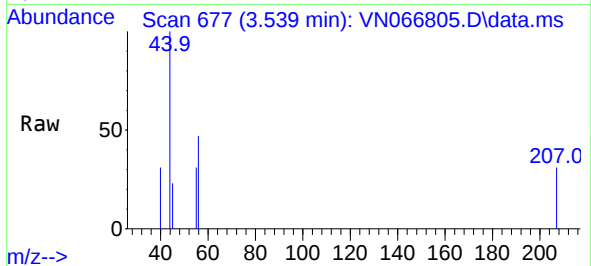




#13  
Acrolein  
Concen: 1.45 ug/l  
RT: 3.539 min Scan# 677  
Delta R.T. -0.008 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

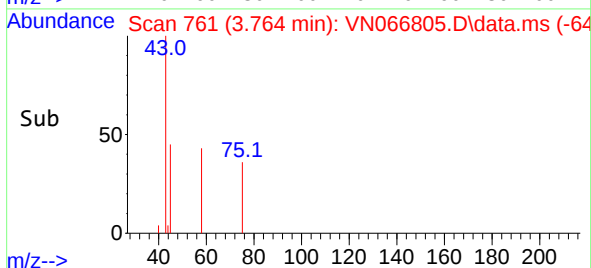
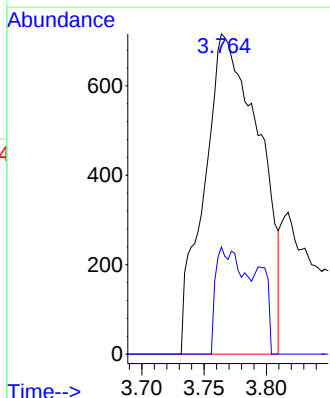
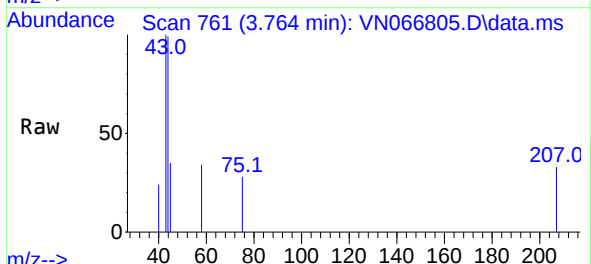
Instrument :  
MSVOA\_N  
ClientSampled :

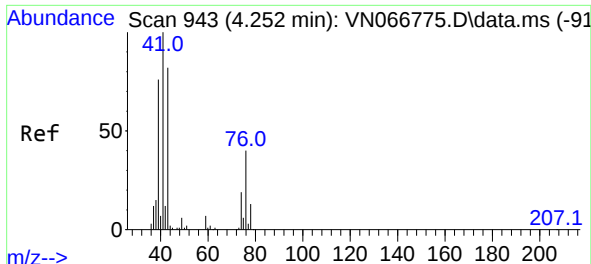
Tgt Ion: 56 Resp: 787  
Ion Ratio Lower Upper  
56 100  
55 20.6 56.0 84.0#



#16  
Acetone  
Concen: 1.39 ug/l  
RT: 3.764 min Scan# 761  
Delta R.T. 0.014 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

Tgt Ion: 43 Resp: 2207  
Ion Ratio Lower Upper  
43 100  
58 33.5 27.0 40.6





#18

Methyl Acetate

Concen: 2.61 ug/l

RT: 4.257 min Scan# 945

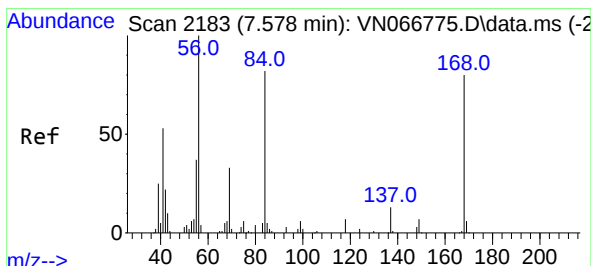
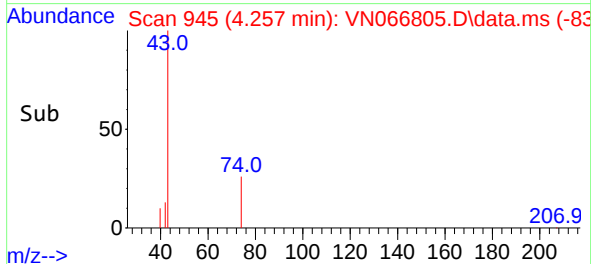
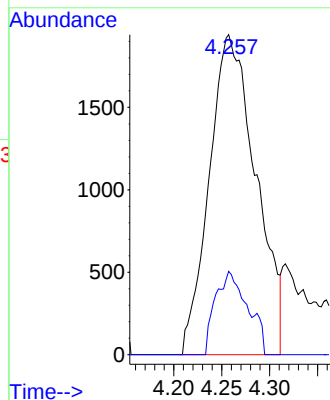
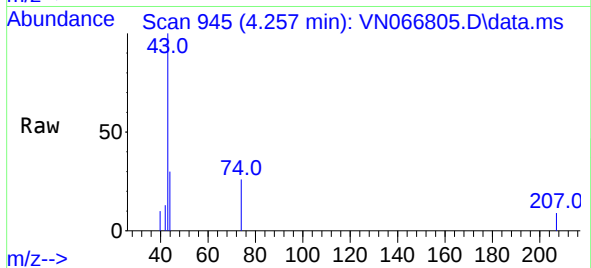
Delta R.T. 0.005 min

Lab File: VN066805.D

Acq: 28 Apr 2021 12:23

Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion: 43 Resp: 6562  
Ion Ratio Lower Upper  
43 100  
74 15.8 19.5 29.3#



#31

Cyclohexane

Concen: 0.88 ug/l

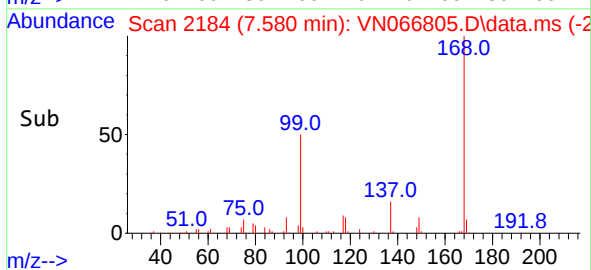
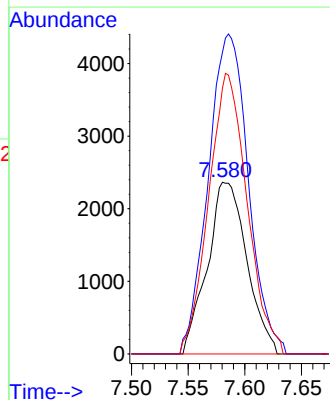
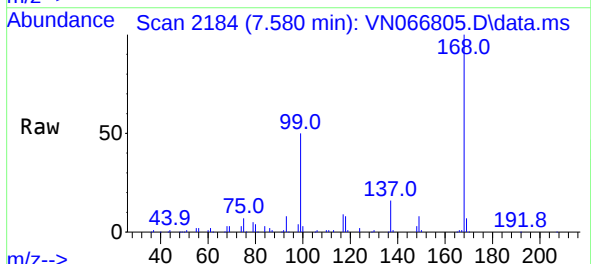
RT: 7.580 min Scan# 2184

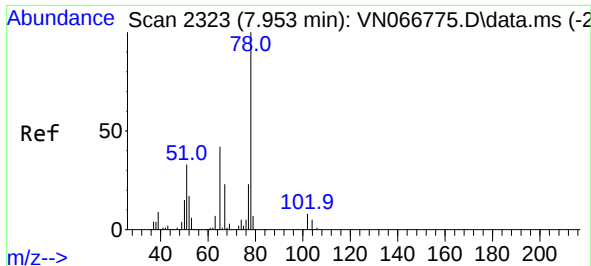
Delta R.T. 0.002 min

Lab File: VN066805.D

Acq: 28 Apr 2021 12:23

Tgt Ion: 56 Resp: 5742  
Ion Ratio Lower Upper  
56 100  
69 175.6 26.6 39.8#  
84 154.7 70.4 105.6#

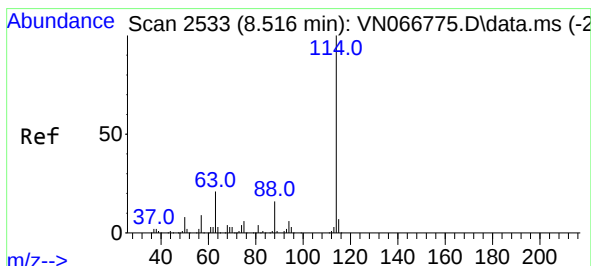
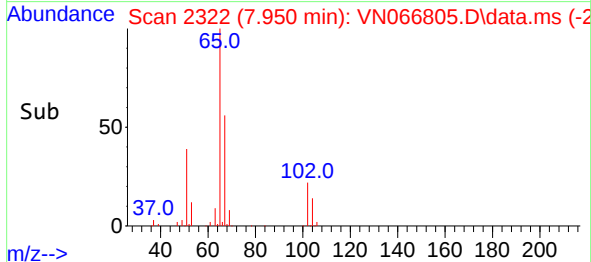
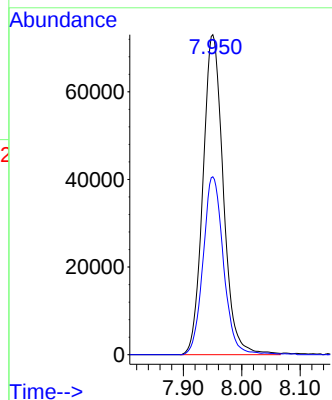
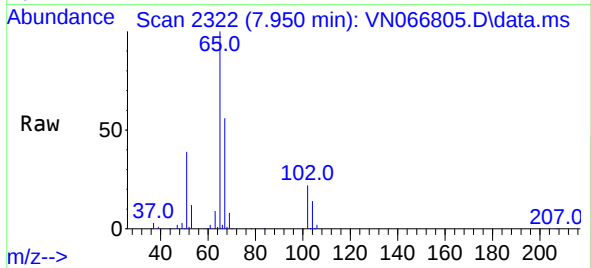




#33  
1,2-Dichloroethane-d4  
Concen: 42.05 ug/l  
RT: 7.950 min Scan# 2322  
Delta R.T. -0.003 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

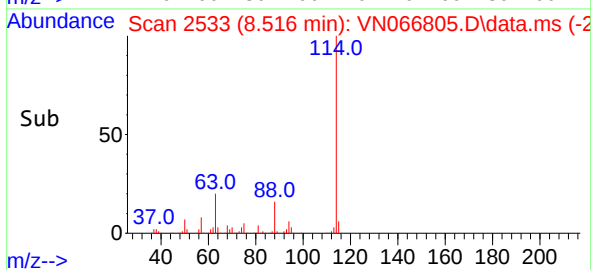
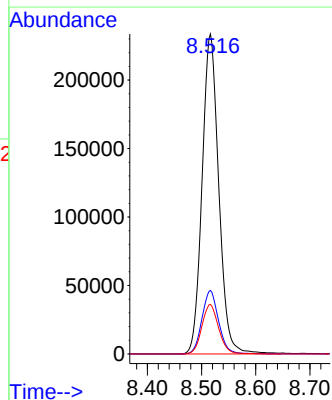
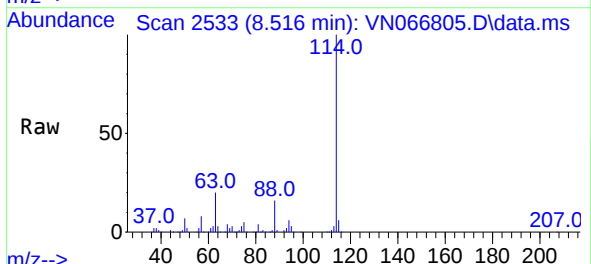
Instrument :  
MSVOA\_N  
ClientSampleId :

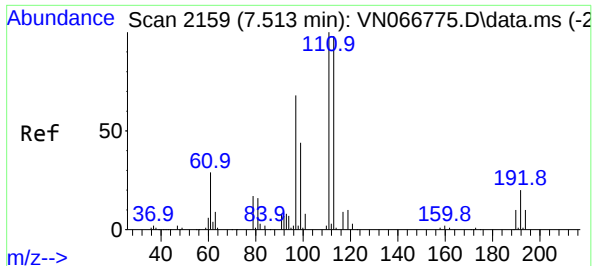
Tgt Ion: 65 Resp: 176931  
Ion Ratio Lower Upper  
65 100  
67 55.4 0.0 107.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.516 min Scan# 2533  
Delta R.T. 0.000 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

Tgt Ion:114 Resp: 499334  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 38.6  
88 15.5 0.0 30.6

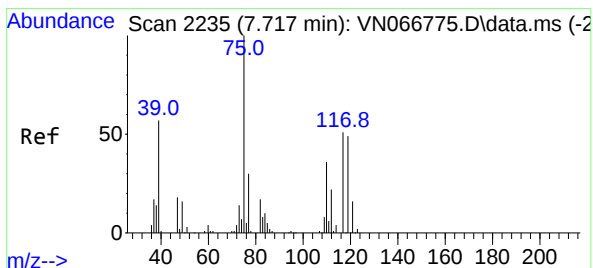
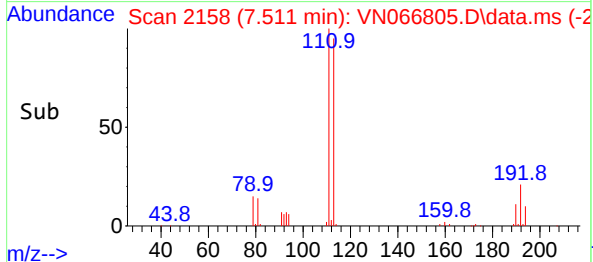
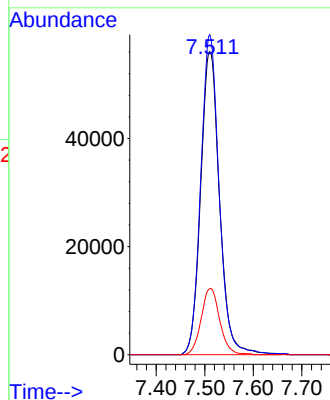
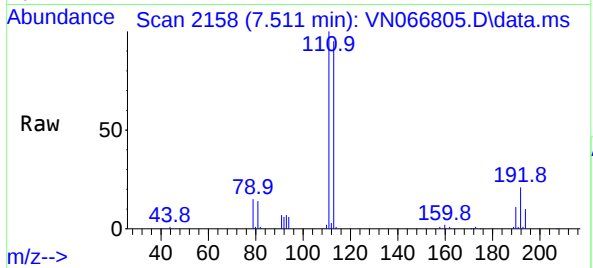




#35  
Dibromofluoromethane  
Concen: 49.16 ug/l  
RT: 7.511 min Scan# 2158  
Delta R.T. -0.002 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

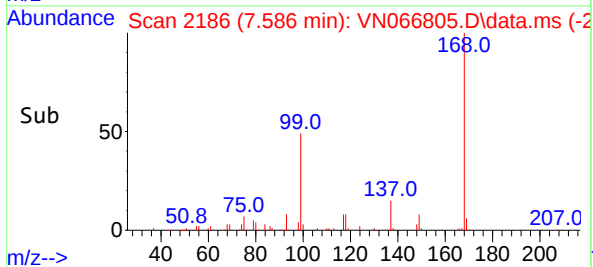
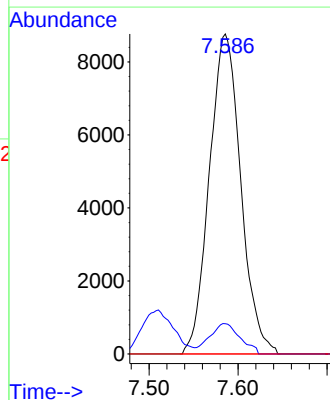
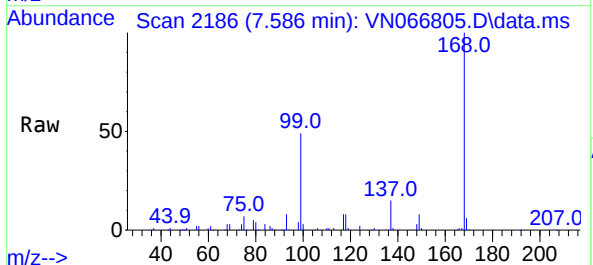
Instrument :  
MSVOA\_N  
ClientSampled :

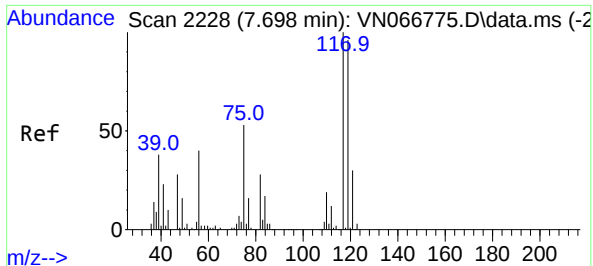
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Ion Ratio Lower Upper  
113 100  
111 103.0 82.2 123.2  
192 21.4 15.4 23.0



#36  
1,1-Dichloropropene  
Concen: 4.63 ug/l  
RT: 7.586 min Scan# 2186  
Delta R.T. -0.131 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

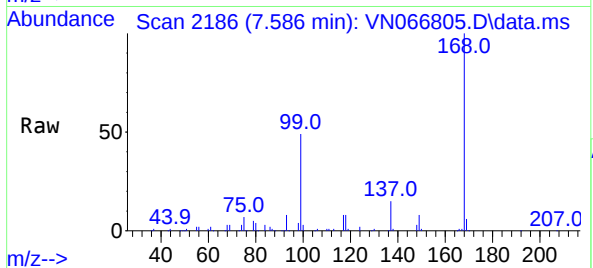
Tgt Ion: 75 Resp: 21497  
Ion Ratio Lower Upper  
75 100  
110 9.3 18.2 54.6#  
77 0.0 24.9 37.3#



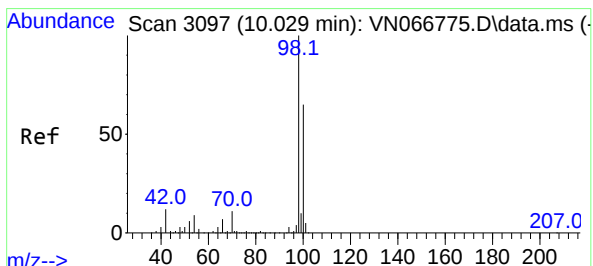
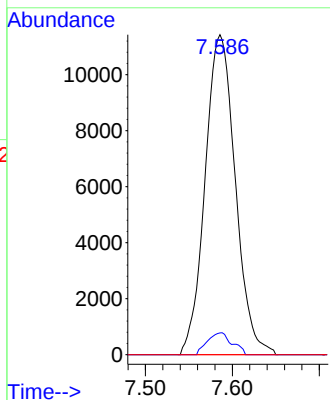
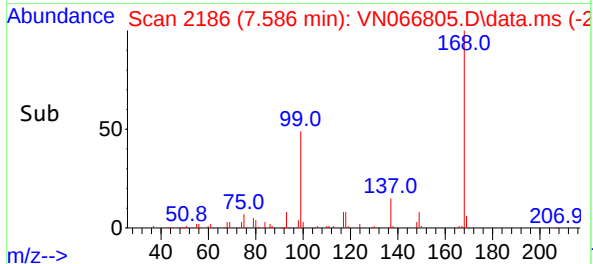


#38  
Carbon Tetrachloride  
Concen: 6.21 ug/l  
RT: 7.586 min Scan# 2186  
Delta R.T. -0.112 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

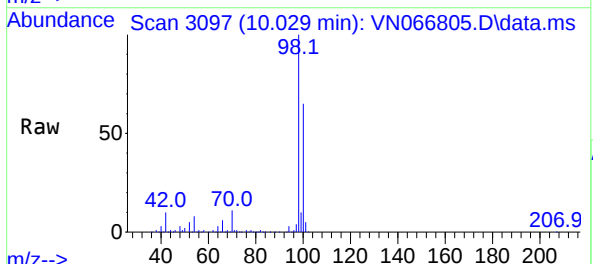
Instrument :  
MSVOA\_N  
ClientSampled :



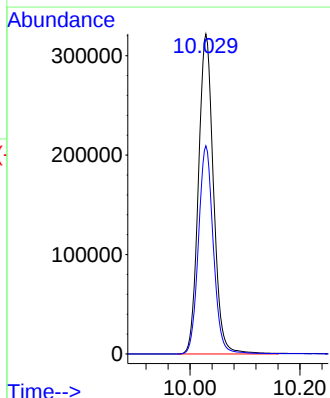
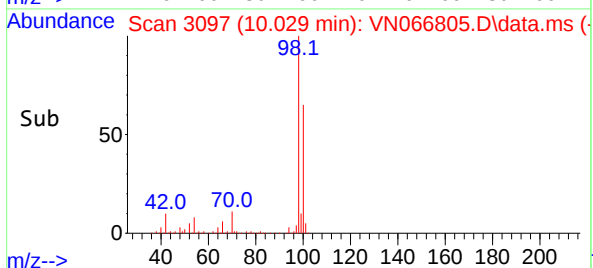
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Ion Ratio Lower Upper  
117 100  
119 6.8 76.0 114.0#  
121 0.0 24.5 36.7#

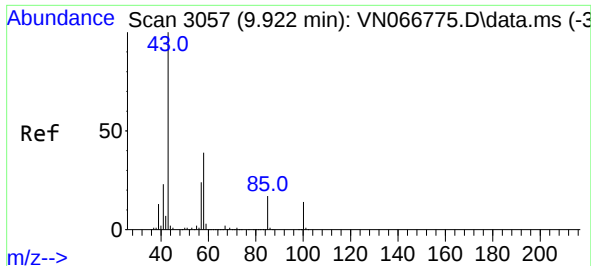


#50  
Toluene-d8  
Concen: 50.46 ug/l  
RT: 10.029 min Scan# 3097  
Delta R.T. -0.000 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23



Tgt Ion: 98 Resp: 610498  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.5 75.7

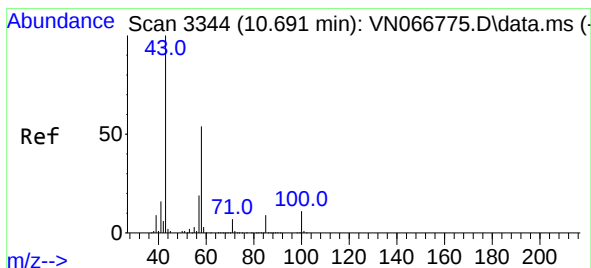
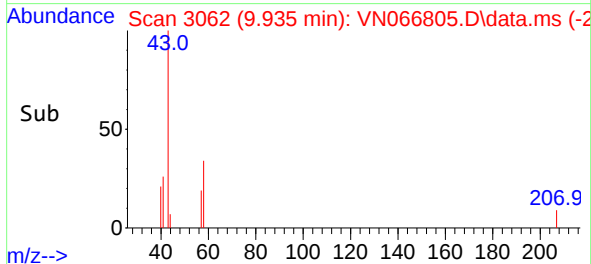
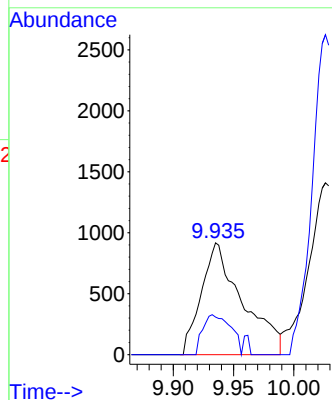
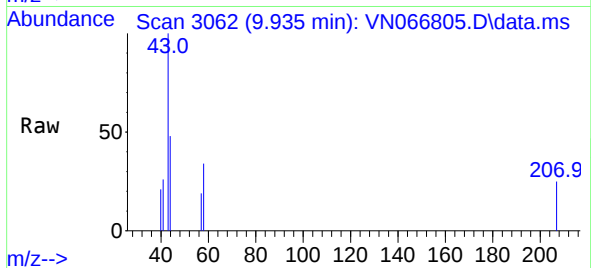




#51  
4-Methyl-2-Pentanone  
Concen: 0.51 ug/l  
RT: 9.935 min Scan# 3062  
Delta R.T. 0.013 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

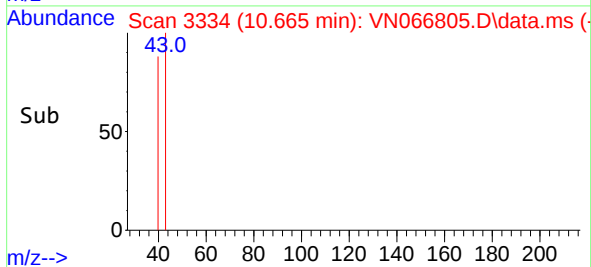
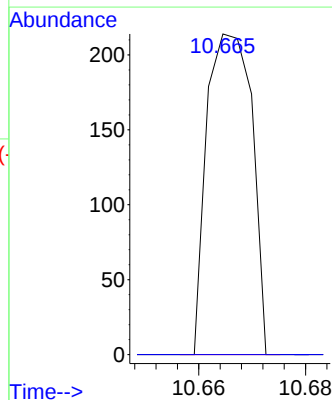
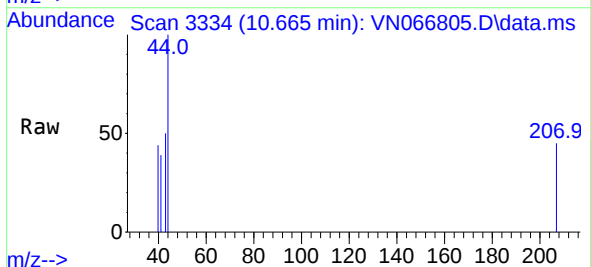
Instrument :  
MSVOA\_N  
ClientSampled :

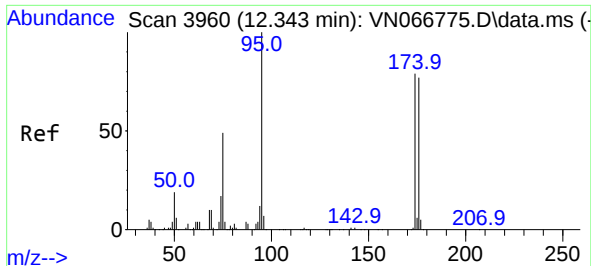
Tgt Ion: 43 Resp: 2178  
Ion Ratio Lower Upper  
43 100  
58 24.1 32.5 48.7#



#59  
2-Hexanone  
Concen: 19.58 ug/l  
RT: 10.665 min Scan# 3334  
Delta R.T. -0.026 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

Tgt Ion: 43 Resp: 125  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.1 84.3#

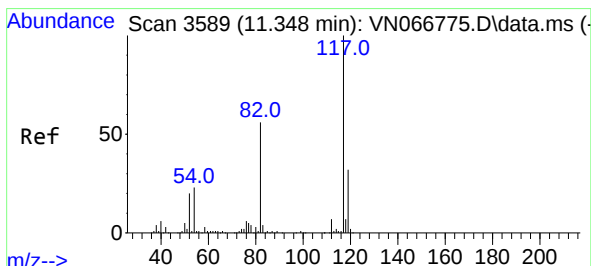
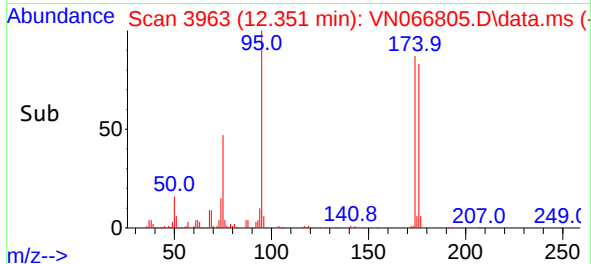
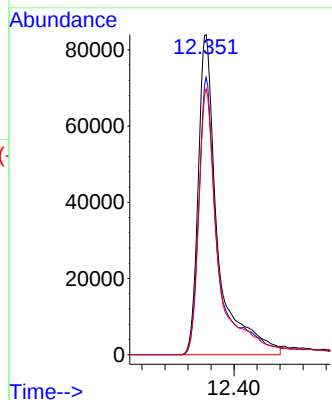
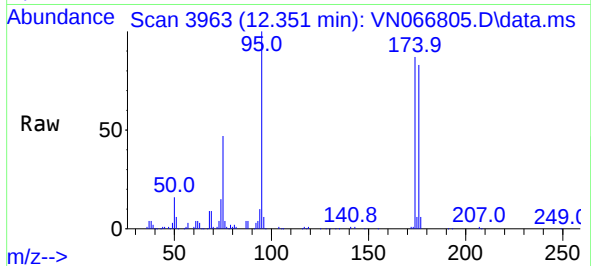




#62  
4-Bromofluorobenzene  
Concen: 48.39 ug/l  
RT: 12.351 min Scan# 3963  
Delta R.T. 0.008 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

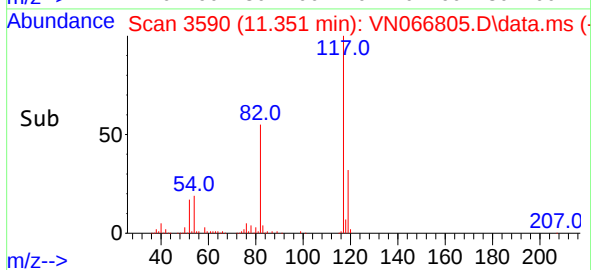
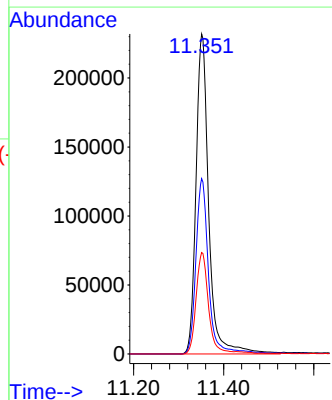
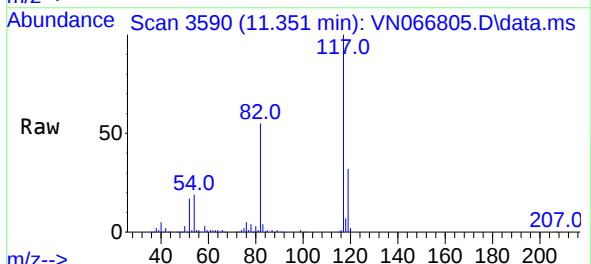
Instrument :  
MSVOA\_N  
ClientSampled :

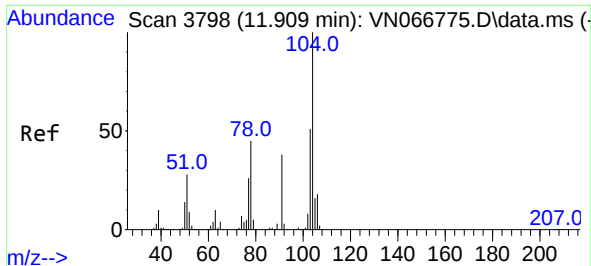
Tgt Ion: 95 Resp: 198093  
Ion Ratio Lower Upper  
95 100  
174 76.4 0.0 169.0  
176 83.3 0.0 162.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.351 min Scan# 3590  
Delta R.T. 0.003 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

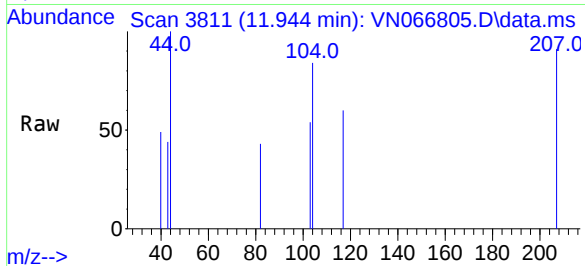
Tgt Ion: 117 Resp: 454432  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.7 65.5  
119 31.7 26.1 39.1



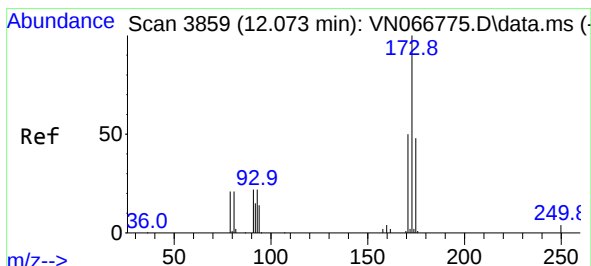
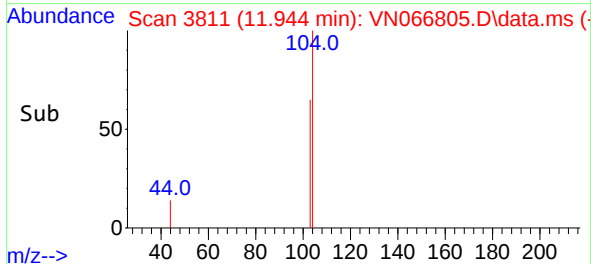
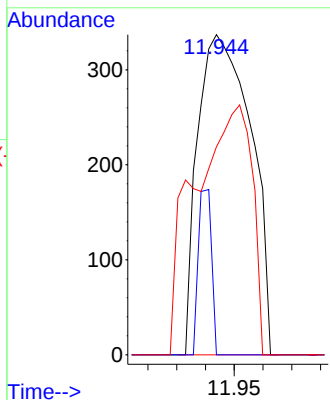


#70  
Styrene  
Concen: 3.08 ug/l  
RT: 11.944 min Scan# 3811  
Delta R.T. 0.035 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

Instrument :  
MSVOA\_N  
ClientSampled :

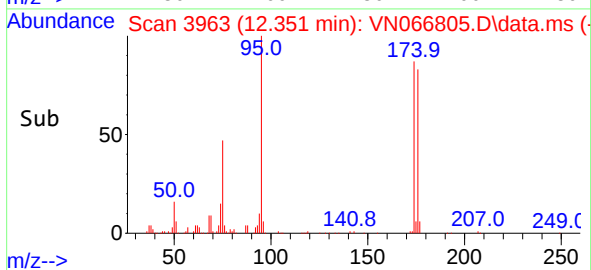
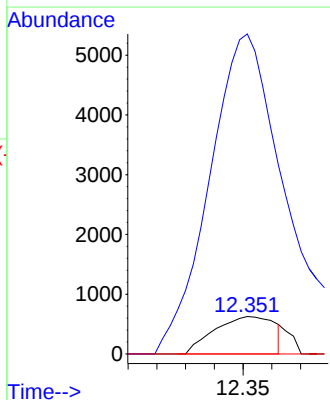
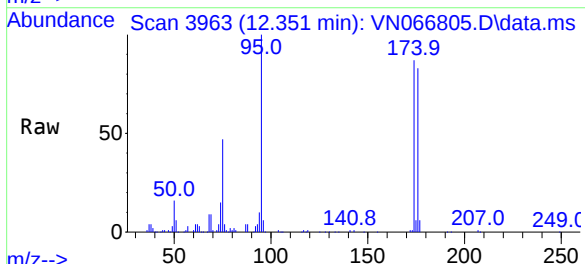


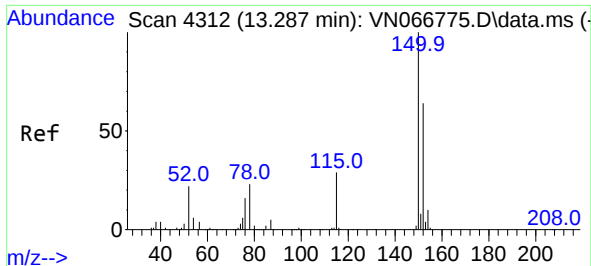
Tgt Ion:104 Resp: 432  
Ion Ratio Lower Upper  
104 100  
78 13.0 39.0 58.4#  
103 84.5 44.5 66.7#



#71  
Bromoform  
Concen: 0.37 ug/l  
RT: 12.351 min Scan# 3963  
Delta R.T. 0.278 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

Tgt Ion:173 Resp: 913  
Ion Ratio Lower Upper  
173 100  
175 864.0 23.8 71.2#  
254 0.0 0.0 0.0

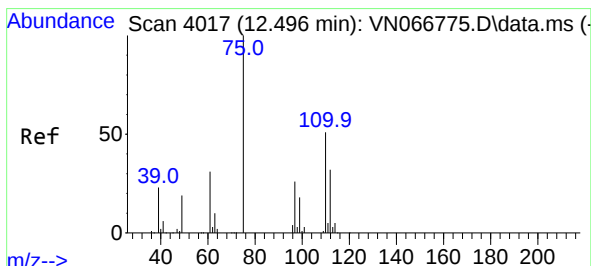
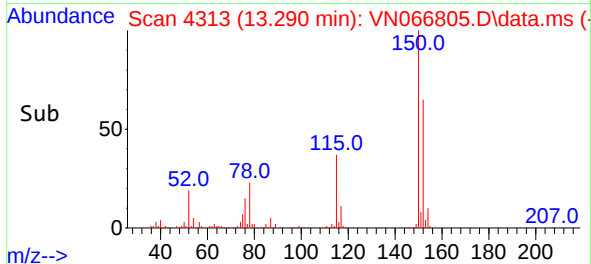
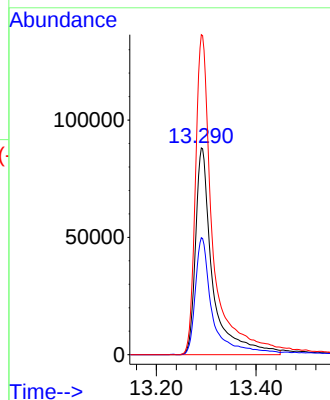
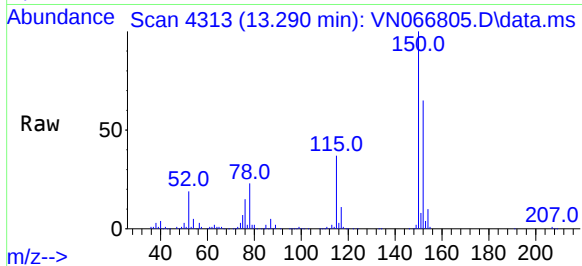




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.290 min Scan# 4313  
Delta R.T. 0.003 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

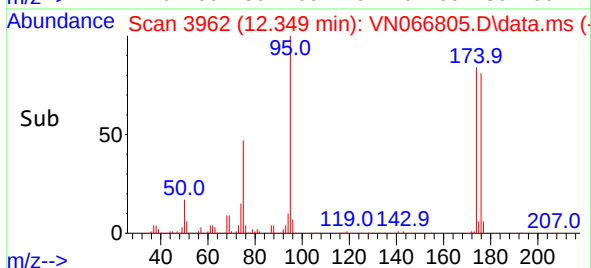
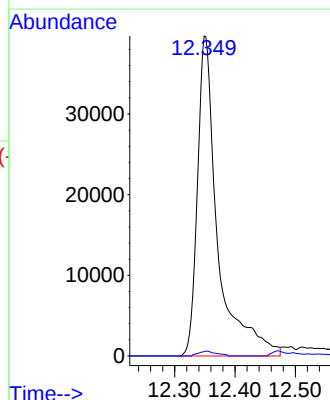
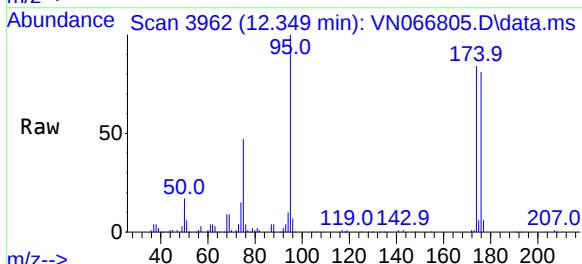
Instrument :  
MSVOA\_N  
ClientSampled :

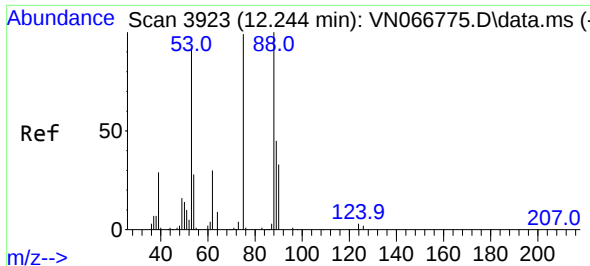
Tgt Ion:152 Resp: 211171  
Ion Ratio Lower Upper  
152 100  
115 57.0 28.5 85.6  
150 159.2 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 20.83 ug/l  
RT: 12.349 min Scan# 3962  
Delta R.T. -0.147 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

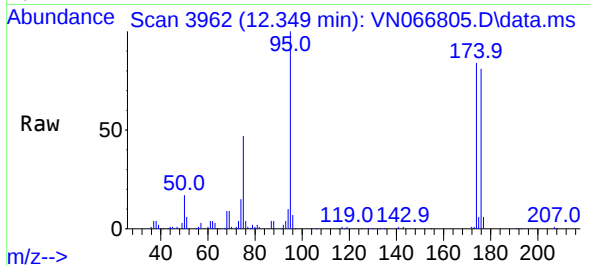
Tgt Ion: 75 Resp: 92714  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



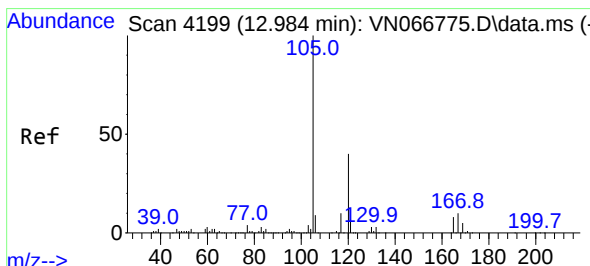
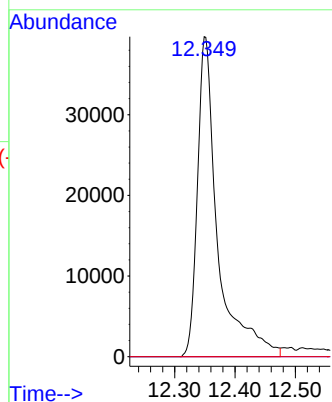
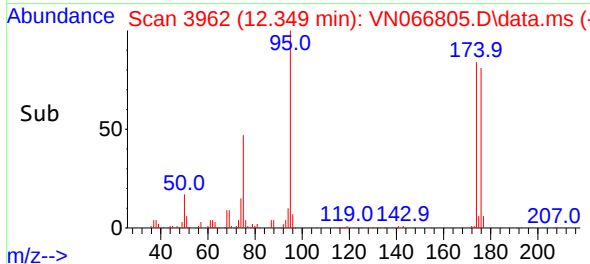


#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.04 ug/l  
RT: 12.349 min Scan# 3962  
Delta R.T. 0.105 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

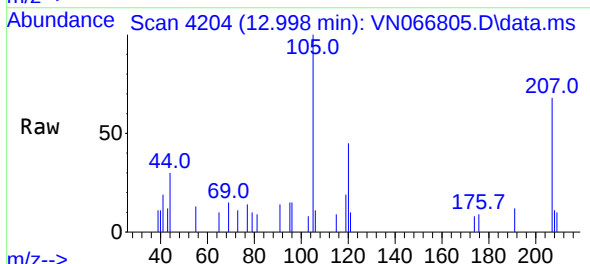
Instrument :  
MSVOA\_N  
ClientSampled :



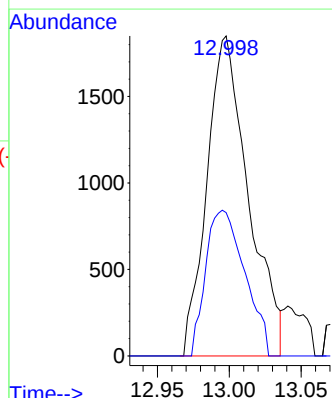
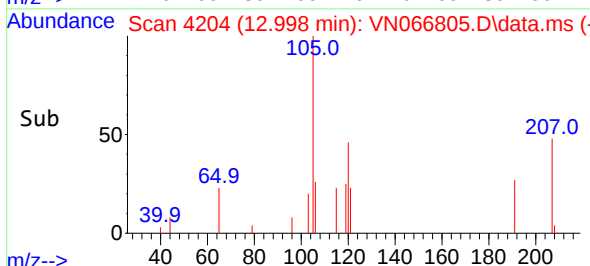
Tgt Ion: 75 Resp: 92714  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#

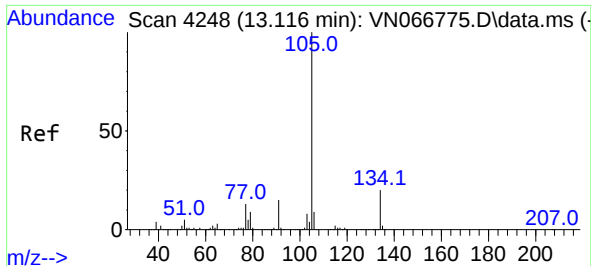


#84  
1,2,4-Trimethylbenzene  
Concen: 0.30 ug/l  
RT: 12.998 min Scan# 4204  
Delta R.T. 0.014 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23



Tgt Ion: 105 Resp: 3711  
Ion Ratio Lower Upper  
105 100  
120 42.9 22.4 67.0

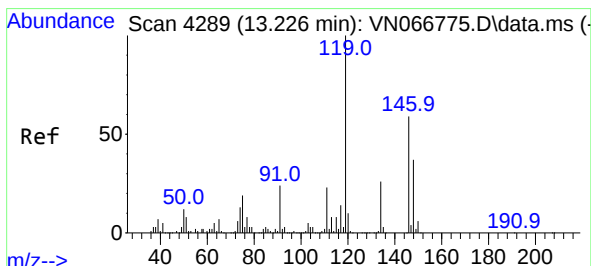
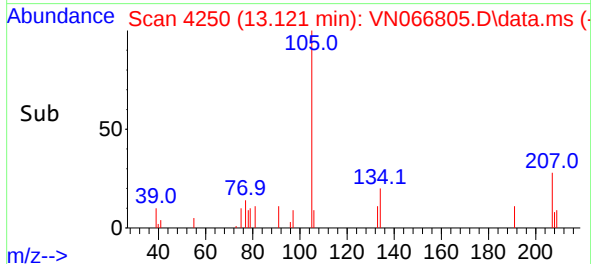
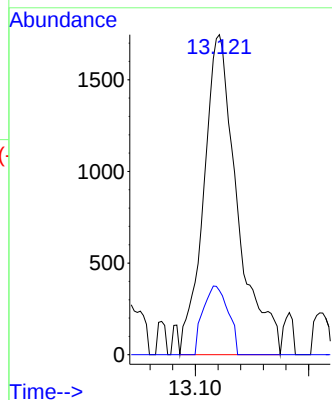
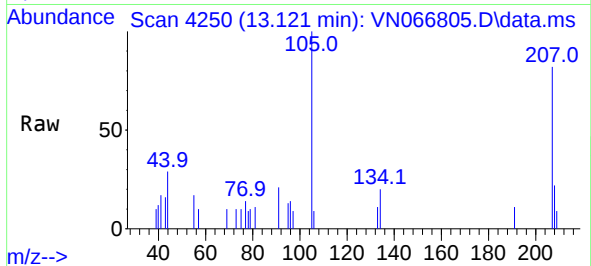




#85  
 sec-Butylbenzene  
 Concen: 0.25 ug/l  
 RT: 13.121 min Scan# 4250  
 Delta R.T. 0.005 min  
 Lab File: VN066805.D  
 Acq: 28 Apr 2021 12:23

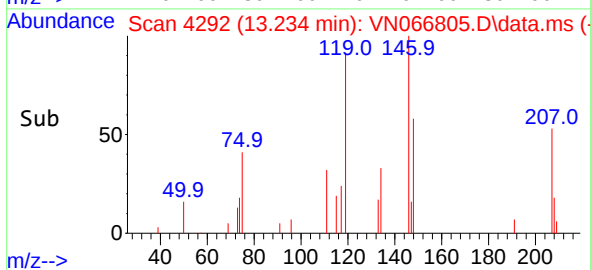
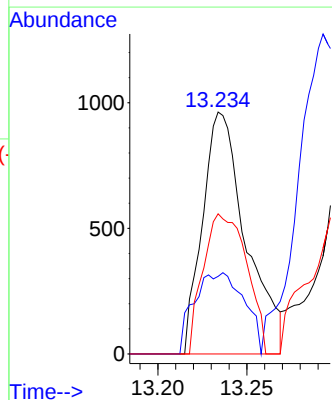
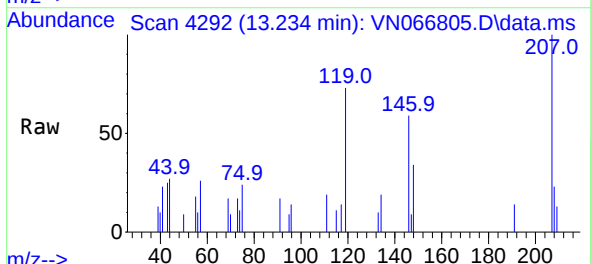
Instrument :  
 MSVOA\_N  
 ClientSampled :

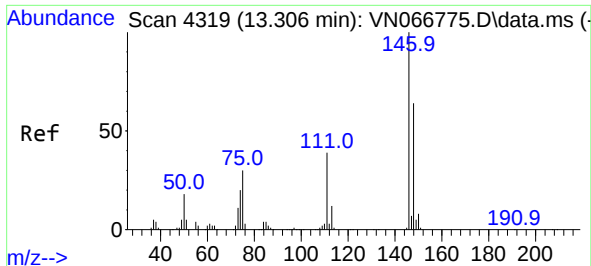
Tgt Ion:105 Resp: 3610  
 Ion Ratio Lower Upper  
 105 100  
 134 15.9 10.0 30.0



#87  
 1,3-Dichlorobenzene  
 Concen: 0.25 ug/l  
 RT: 13.234 min Scan# 4292  
 Delta R.T. 0.008 min  
 Lab File: VN066805.D  
 Acq: 28 Apr 2021 12:23

Tgt Ion:146 Resp: 1634  
 Ion Ratio Lower Upper  
 146 100  
 111 16.8 19.5 58.5#  
 148 58.0 32.3 96.9

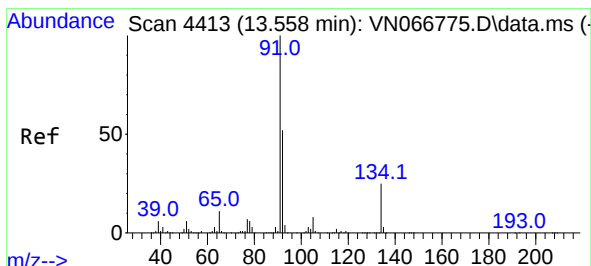
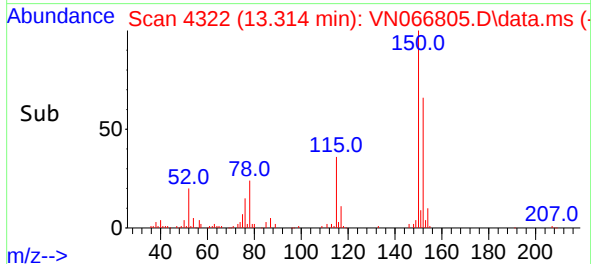
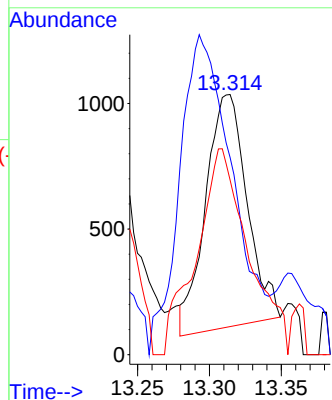
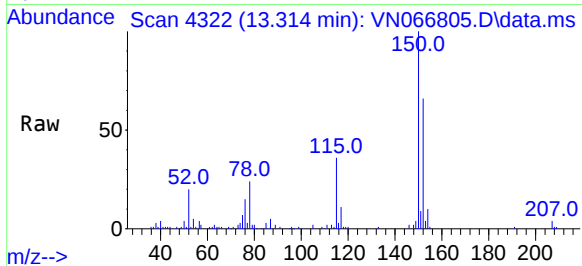




#88  
1,4-Dichlorobenzene  
Concen: 0.27 ug/l  
RT: 13.314 min Scan# 4322  
Delta R.T. 0.008 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

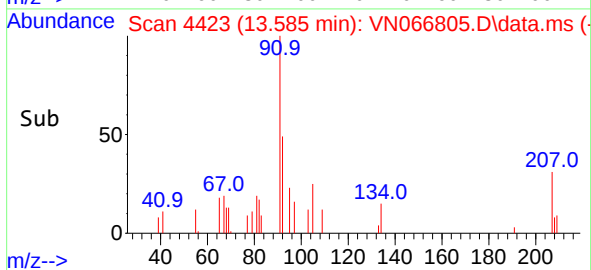
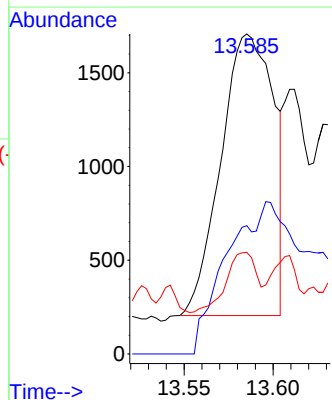
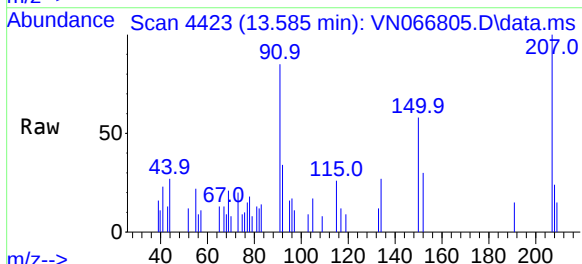
Instrument :  
MSVOA\_N  
ClientSampled :

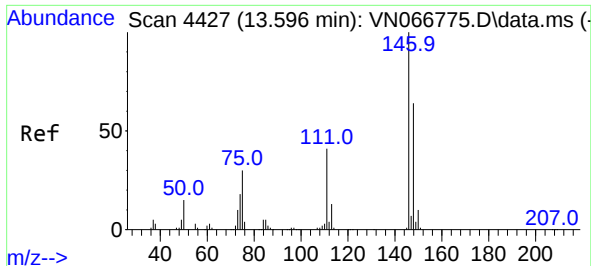
Tgt Ion:146 Resp: 1864  
Ion Ratio Lower Upper  
146 100  
111 0.0 19.0 57.0#  
148 110.6 31.8 95.3#



#89  
n-Butylbenzene  
Concen: 0.29 ug/l  
RT: 13.585 min Scan# 4423  
Delta R.T. 0.027 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

Tgt Ion: 91 Resp: 3094  
Ion Ratio Lower Upper  
91 100  
92 29.7 26.1 78.3  
134 11.0 13.0 38.9#

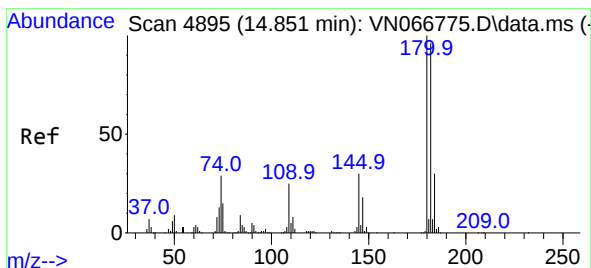
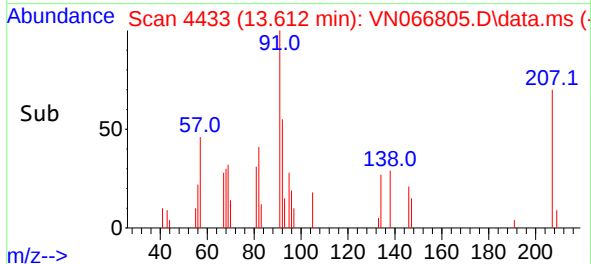
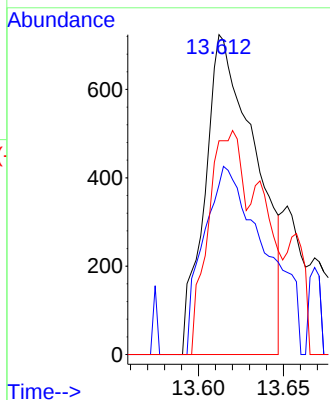
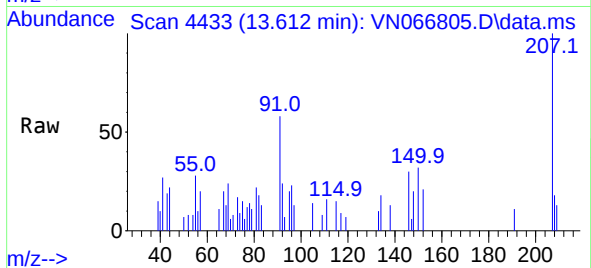




#91  
1,2-Dichlorobenzene  
Concen: 0.23 ug/l  
RT: 13.612 min Scan# 4433  
Delta R.T. 0.016 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

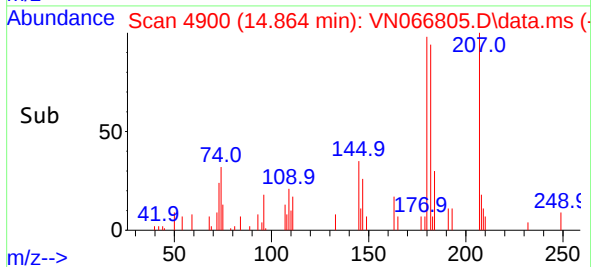
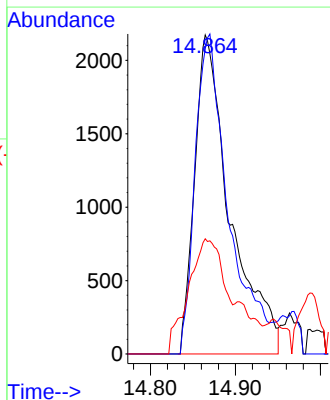
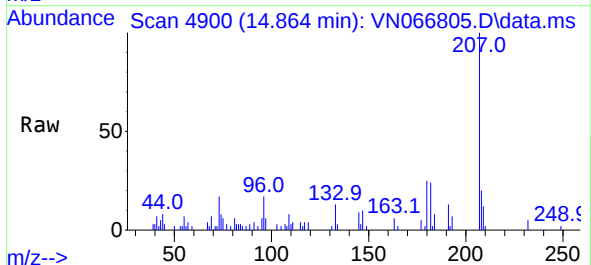
Instrument :  
MSVOA\_N  
ClientSampled :

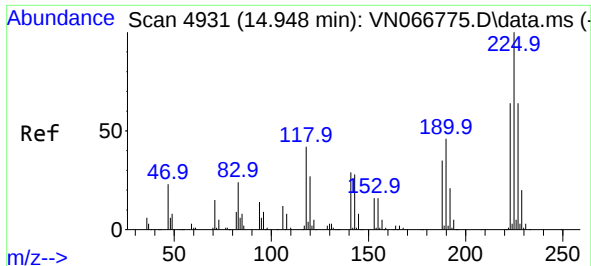
Tgt Ion:146 Resp: 1527  
Ion Ratio Lower Upper  
146 100  
111 70.3 20.1 60.3#  
148 47.5 32.0 96.0



#93  
1,2,4-Trichlorobenzene  
Concen: 1.73 ug/l  
RT: 14.864 min Scan# 4900  
Delta R.T. 0.013 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

Tgt Ion:180 Resp: 6319  
Ion Ratio Lower Upper  
180 100  
182 94.4 47.3 142.0  
145 36.0 15.6 46.8

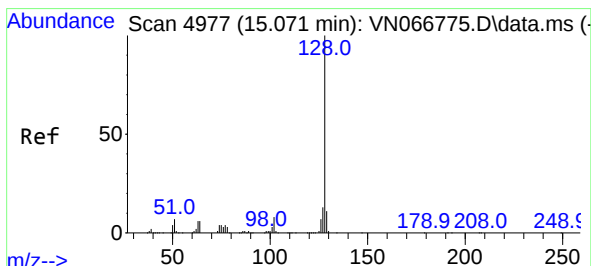
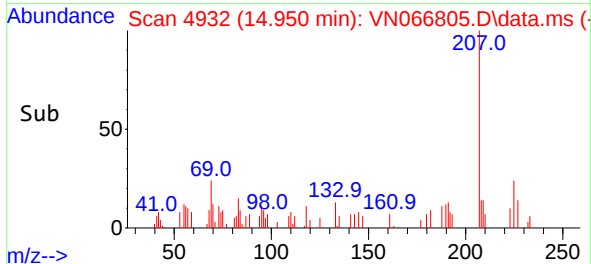
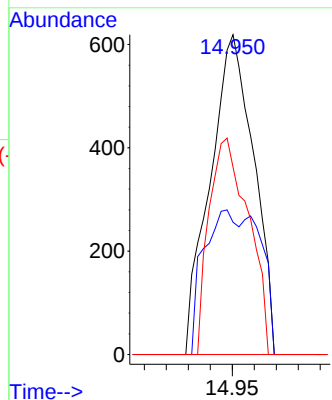
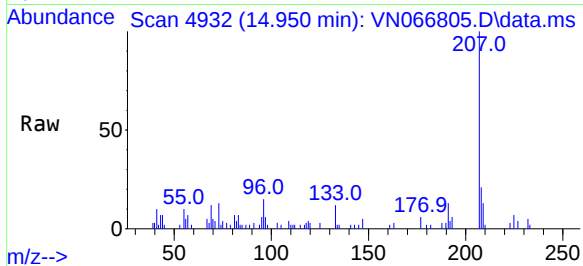




#94  
Hexachlorobutadiene  
Concen: 0.42 ug/l  
RT: 14.950 min Scan# 4932  
Delta R.T. 0.002 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

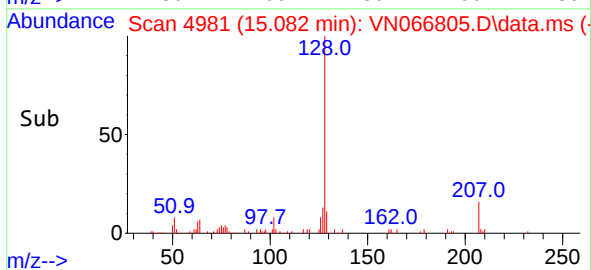
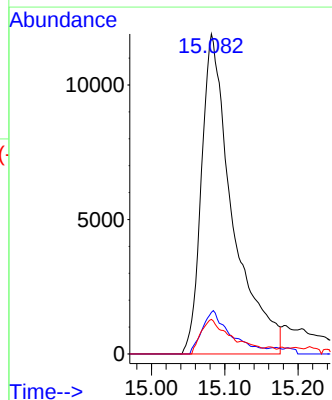
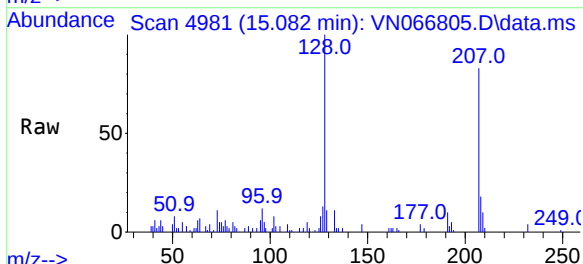
Instrument :  
MSVOA\_N  
ClientSampled :

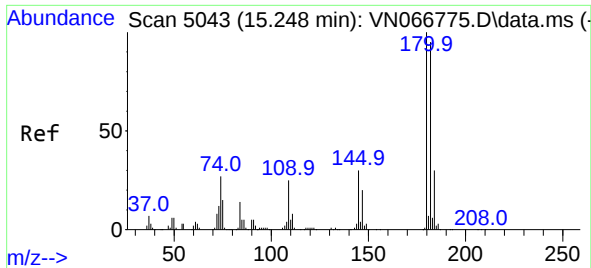
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 854   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 36.1  | 31.9  | 95.9  |
| 227      | 61.0  | 31.6  | 95.0  |



#95  
Naphthalene  
Concen: 3.73 ug/l  
RT: 15.082 min Scan# 4981  
Delta R.T. 0.011 min  
Lab File: VN066805.D  
Acq: 28 Apr 2021 12:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 34978 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.6  | 10.2  | 15.2  |
| 129      | 8.9   | 8.6   | 13.0  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.43 ug/l  
 RT: 15.256 min Scan# 5046  
 Delta R.T. 0.008 min  
 Lab File: VN066805.D  
 Acq: 28 Apr 2021 12:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 8581  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.3  | 47.4  | 142.3 |
| 145      | 46.8  | 16.5  | 49.5  |

