

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121821\  
 Data File : VN070220.D  
 Acq On : 18 Dec 2021 18:09  
 Operator : JC/MD  
 Sample : M5044-11 10X  
 Misc : 6.41g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 19 08:49:08 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 Response via : Initial Calibration

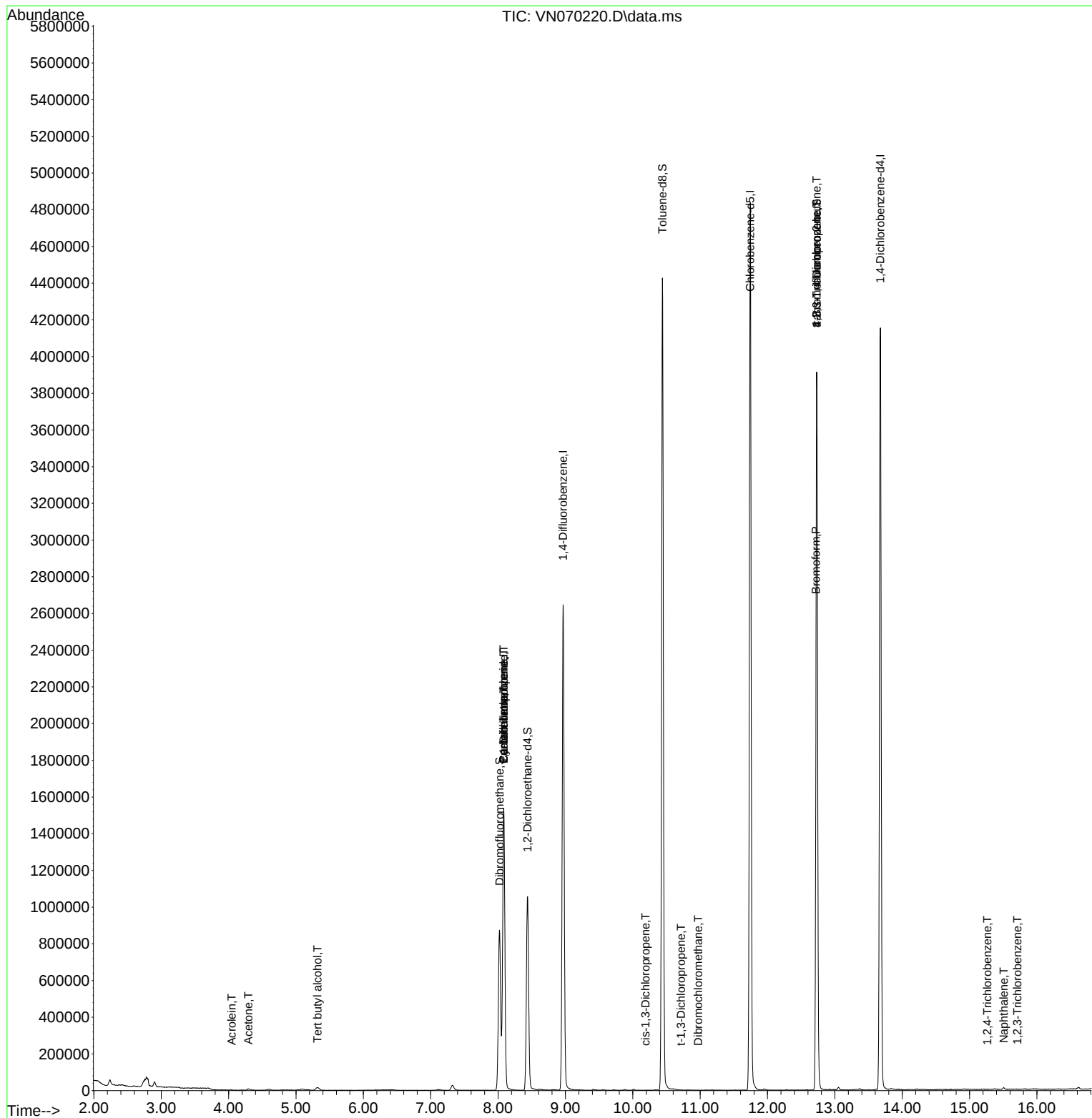
| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) Pentafluorobenzene         | 8.083  | 168   | 1158190  | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.965  | 114   | 2211779  | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.744 | 117   | 2698820  | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.675 | 152   | 1119010  | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.437  | 65    | 919385   | 51.413   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | = 102.820%  |          |
| 35) Dibromofluoromethane      | 8.021  | 113   | 638067   | 46.056   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | = 92.120%   |          |
| 50) Toluene-d8                | 10.440 | 98    | 2989982  | 53.749   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | = 107.500%  |          |
| 62) 4-Bromofluorobenzene      | 12.731 | 95    | 1374355  | 68.196   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | = 136.400%# |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 11) Tert butyl alcohol        | 5.318  | 59    | 15459    | 4.573    | ug/l #      | 71       |
| 13) Acrolein                  | 4.044  | 56    | 963      | 0.335    | ug/l #      | 83       |
| 16) Acetone                   | 4.293  | 43    | 9318     | 0.866    | ug/l        | 98       |
| 31) Cyclohexane               | 8.083  | 56    | 29211    | 1.174    | ug/l #      | 31       |
| 36) 1,1-Dichloropropene       | 8.083  | 75    | 99195    | 4.711    | ug/l #      | 49       |
| 38) Carbon Tetrachloride      | 8.083  | 117   | 117265   | 5.679    | ug/l #      | 16       |
| 53) t-1,3-Dichloropropene     | 10.714 | 75    | 54       | 2.796    | ug/l #      | 43       |
| 54) cis-1,3-Dichloropropene   | 10.188 | 75    | 59       | 2.001    | ug/l #      | 12       |
| 60) Dibromochloromethane      | 10.971 | 129   | 29       | 2.378    | ug/l #      | 11       |
| 71) Bromoform                 | 12.720 | 173   | 2518     | 2.875    | ug/l #      | 1        |
| 76) 1,2,3-Trichloropropane    | 12.731 | 75    | 747136   | 23.282   | ug/l #      | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.731 | 75    | 747136   | 74.071   | ug/l #      | 5        |
| 93) 1,2,4-Trichlorobenzene    | 15.263 | 180   | 495      | 2.903    | ug/l        | 83       |
| 95) Naphthalene               | 15.507 | 128   | 8916     | 4.135    | ug/l #      | 87       |
| 96) 1,2,3-Trichlorobenzene    | 15.710 | 180   | 683      | 2.472    | ug/l        | 83       |
| -----                         |        |       |          |          |             |          |

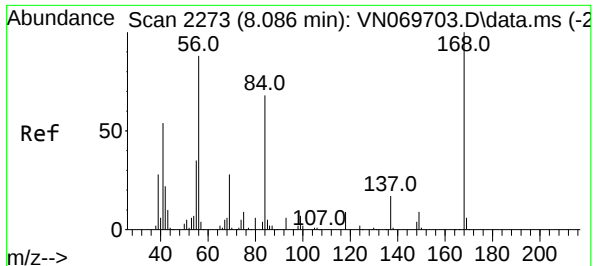
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121821\  
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Sample : M5044-11 10X  
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ALS Vial : 16 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :

Quant Time: Dec 19 08:49:08 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 03 08:46:47 2021  
Response via : Initial Calibration

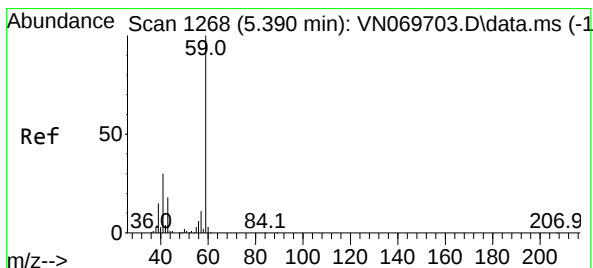
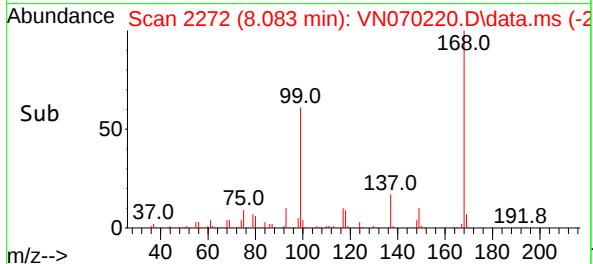
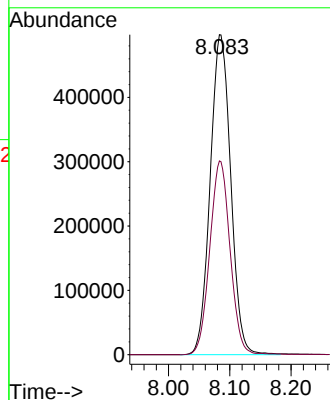
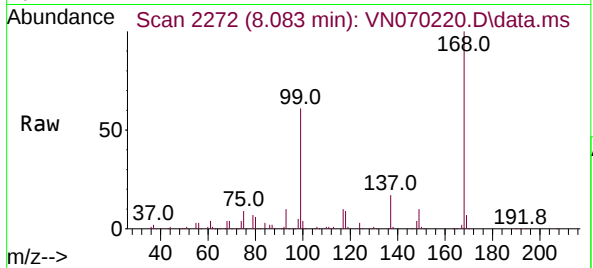




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.083 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

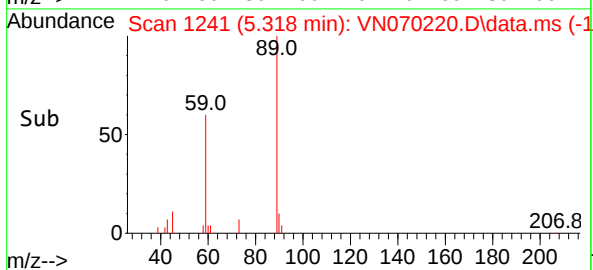
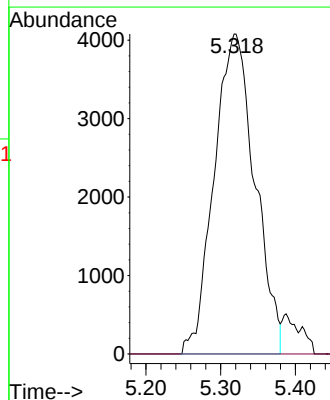
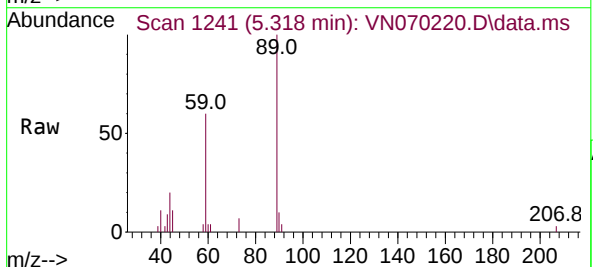
Instrument :  
MSVOA\_N  
ClientSampleId :

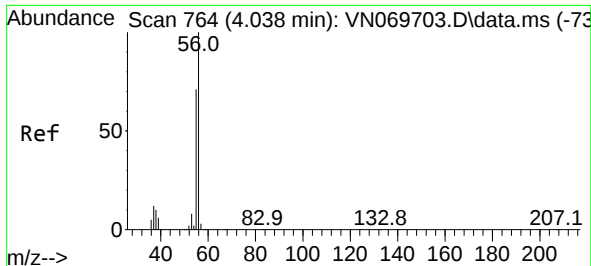
Tgt Ion:168 Resp: 1158190  
Ion Ratio Lower Upper  
168 100  
99 60.6 41.3 61.9



#11  
Tert butyl alcohol  
Concen: 4.573 ug/l  
RT: 5.318 min Scan# 1241  
Delta R.T. -0.072 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

Tgt Ion: 59 Resp: 15459  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#

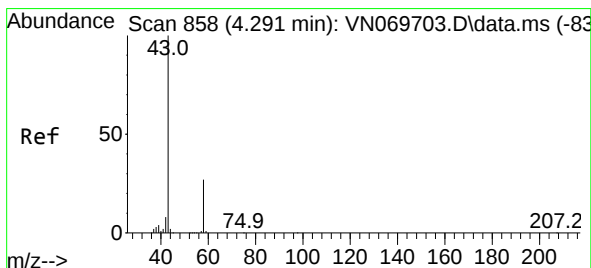
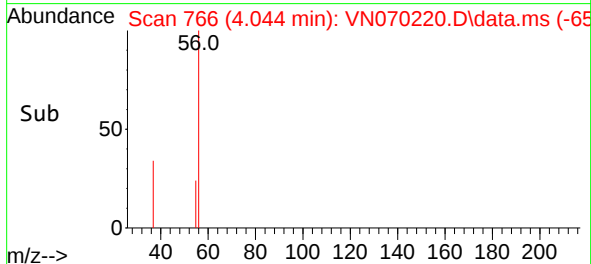
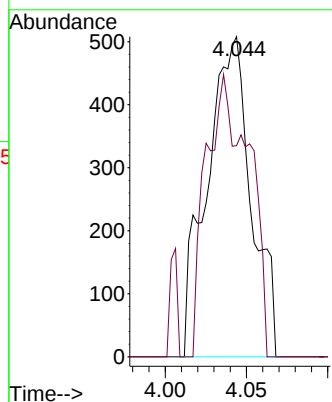
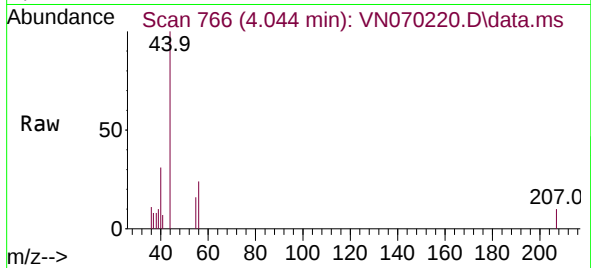




#13  
Acrolein  
Concen: 0.335 ug/l  
RT: 4.044 min Scan# 764  
Delta R.T. 0.005 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

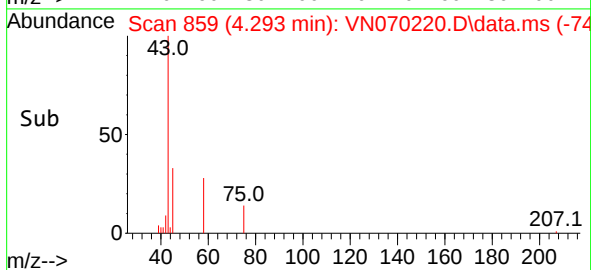
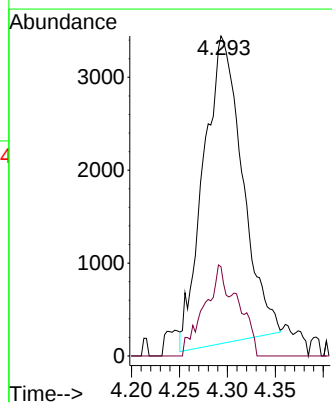
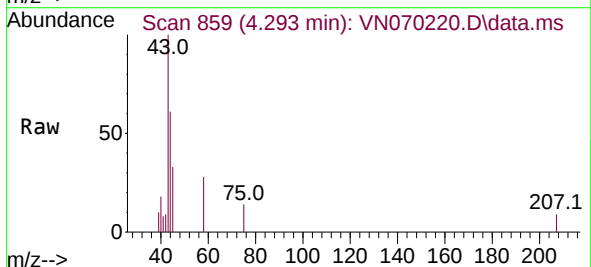
Instrument :  
MSVOA\_N  
ClientSampleId :

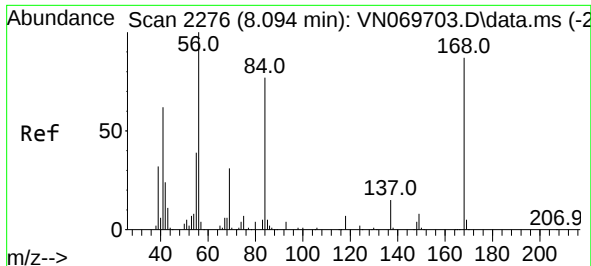
Tgt Ion: 56 Resp: 963  
Ion Ratio Lower Upper  
56 100  
55 56.5 56.6 85.0#



#16  
Acetone  
Concen: 0.866 ug/l  
RT: 4.293 min Scan# 859  
Delta R.T. 0.003 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

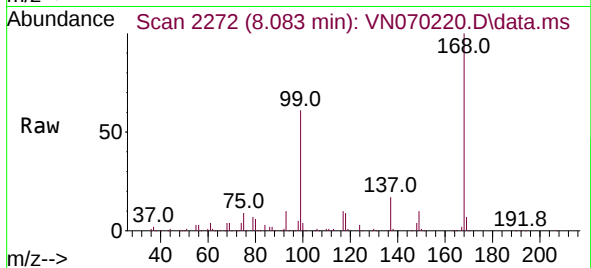
Tgt Ion: 43 Resp: 9318  
Ion Ratio Lower Upper  
43 100  
58 30.1 23.1 34.7



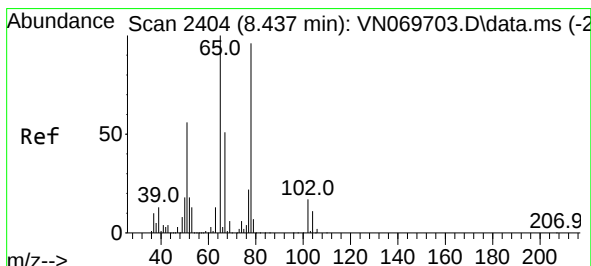
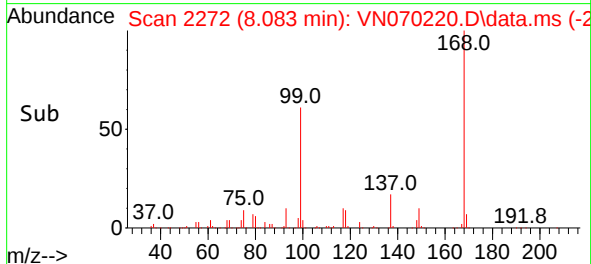
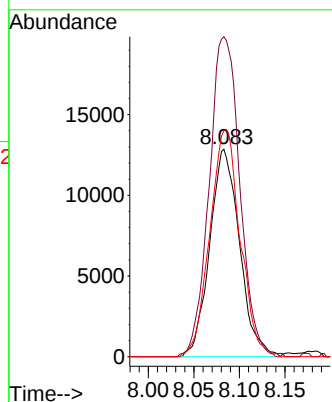


#31  
Cyclohexane  
Concen: 1.174 ug/l  
RT: 8.083 min Scan# 21  
Delta R.T. -0.011 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :

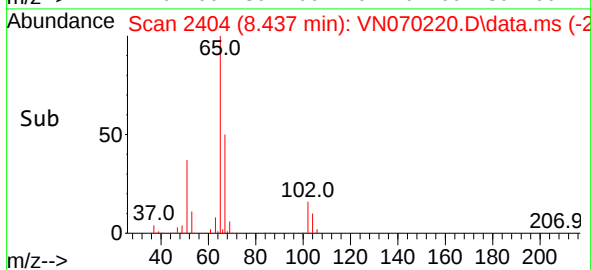
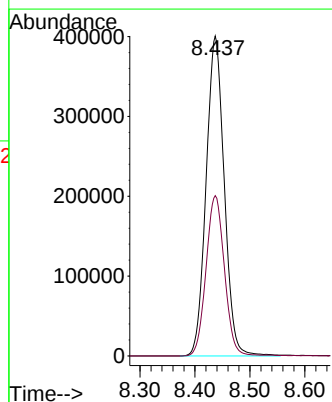
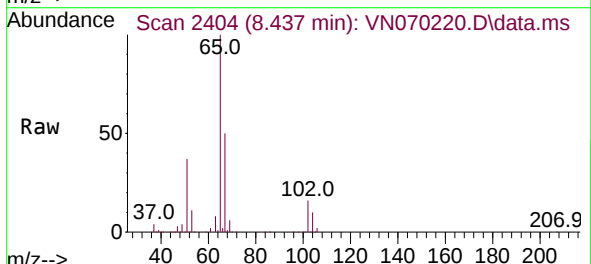


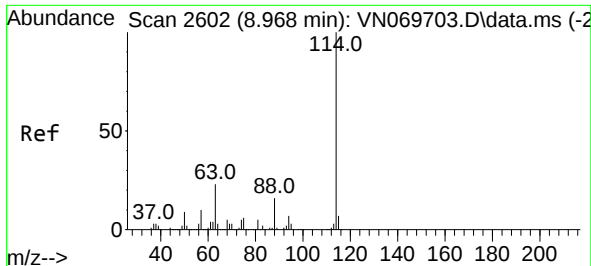
Tgt Ion: 56 Resp: 29211  
Ion Ratio Lower Upper  
56 100  
69 152.9 27.1 40.7#  
84 108.9 73.4 110.0



#33  
1,2-Dichloroethane-d4  
Concen: 51.413 ug/l  
RT: 8.437 min Scan# 2404  
Delta R.T. 0.000 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

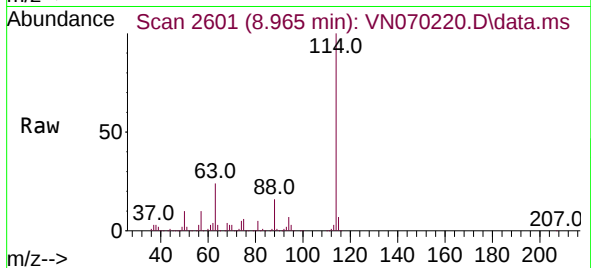
Tgt Ion: 65 Resp: 919385  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 103.0



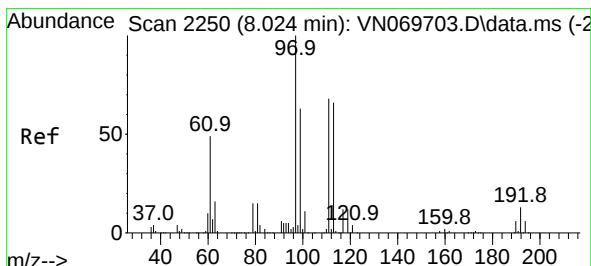
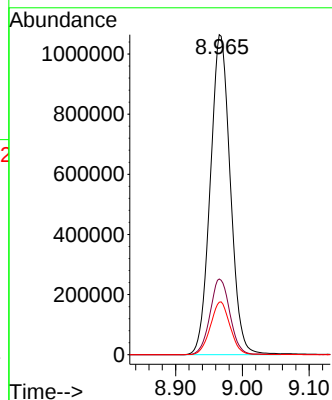
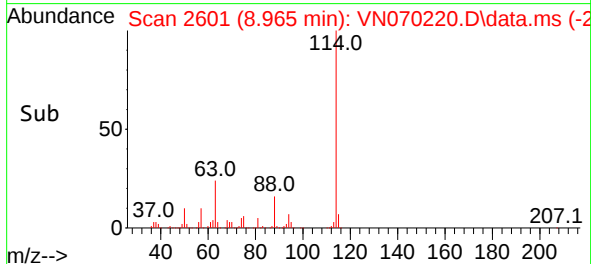


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.965 min Scan# 2011  
Delta R.T. -0.003 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :

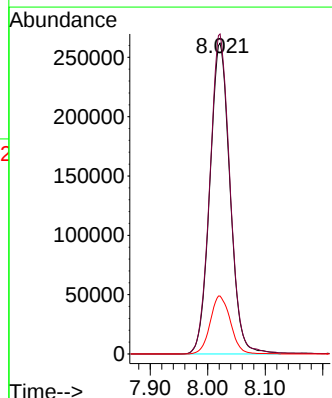
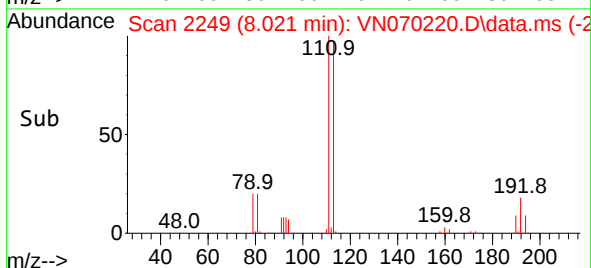
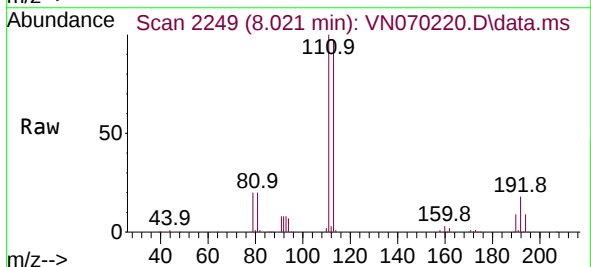


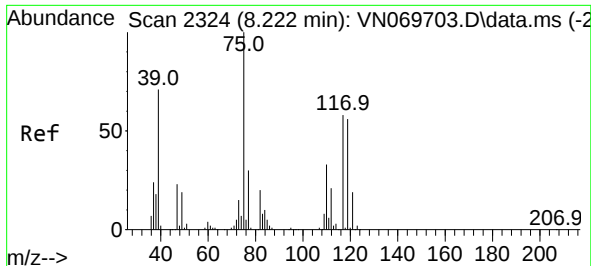
Tgt Ion:114 Resp: 2211779  
Ion Ratio Lower Upper  
114 100  
63 23.7 0.0 37.8  
88 16.4 0.0 27.4



#35  
Dibromofluoromethane  
Concen: 46.056 ug/l  
RT: 8.021 min Scan# 2249  
Delta R.T. -0.003 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

Tgt Ion:113 Resp: 638067  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.2 123.2  
192 18.7 16.9 25.3

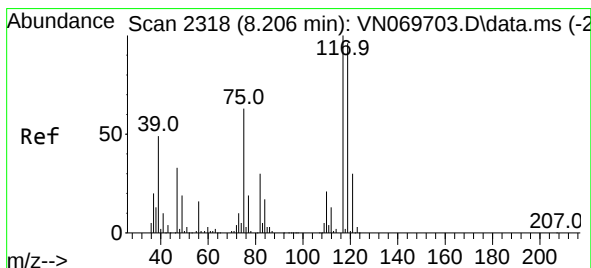
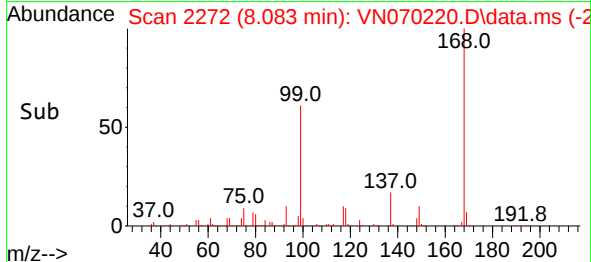
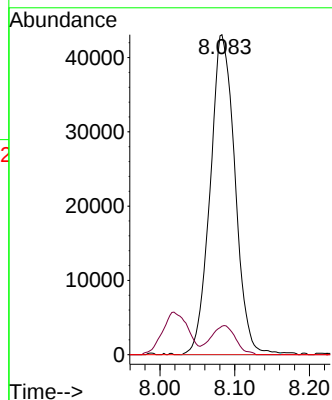
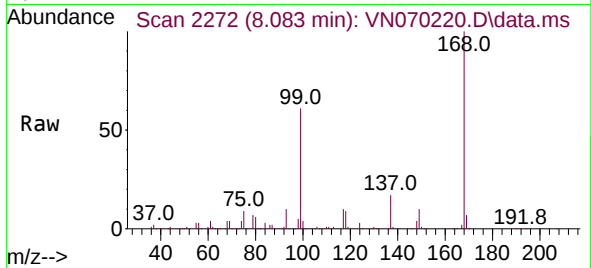




#36  
1,1-Dichloropropene  
Concen: 4.711 ug/l  
RT: 8.083 min Scan# 211  
Delta R.T. -0.139 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

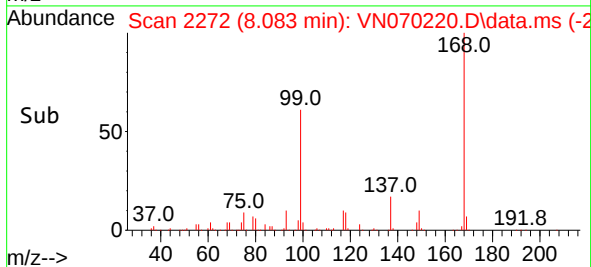
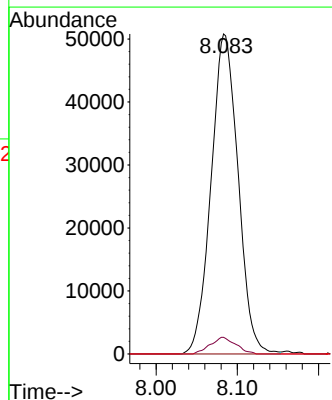
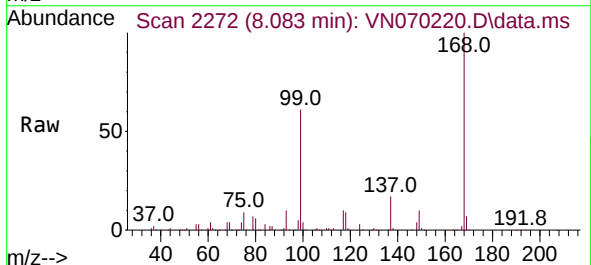
Instrument :  
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ClientSampleId :

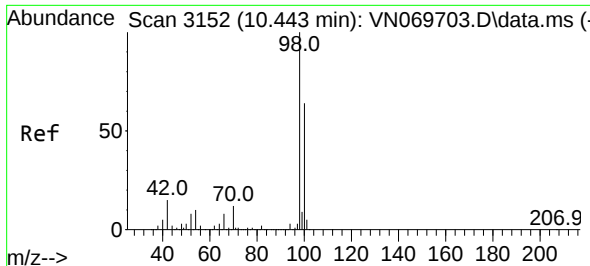
Tgt Ion: 75 Resp: 99195  
Ion Ratio Lower Upper  
75 100  
110 9.1 18.4 55.2#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 5.679 ug/l  
RT: 8.083 min Scan# 2272  
Delta R.T. -0.123 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

Tgt Ion: 117 Resp: 117265  
Ion Ratio Lower Upper  
117 100  
119 5.2 76.1 114.1#  
121 0.0 24.2 36.2#

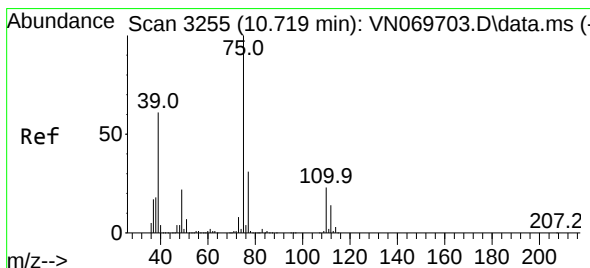
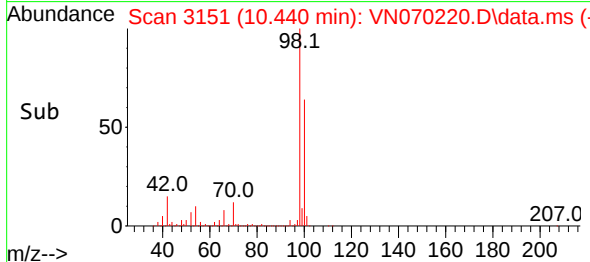
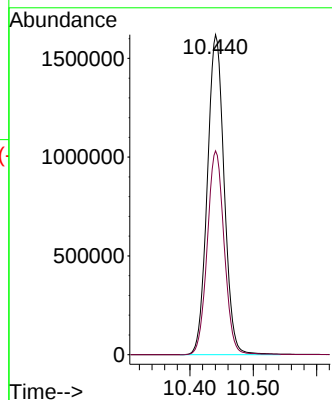
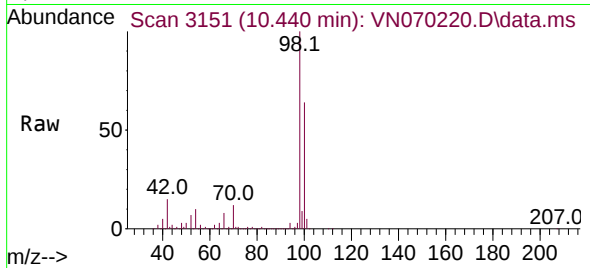




#50  
Toluene-d8  
Concen: 53.749 ug/l  
RT: 10.440 min Scan# 3152  
Delta R.T. -0.003 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

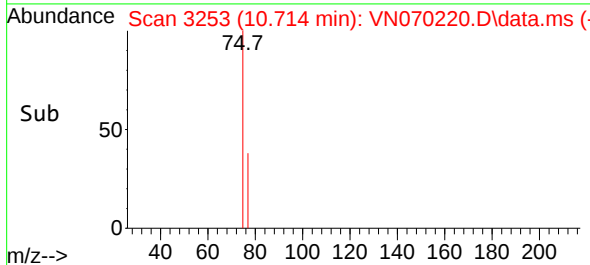
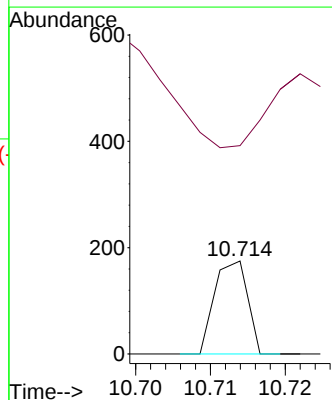
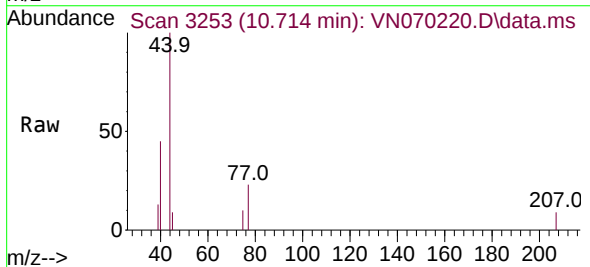
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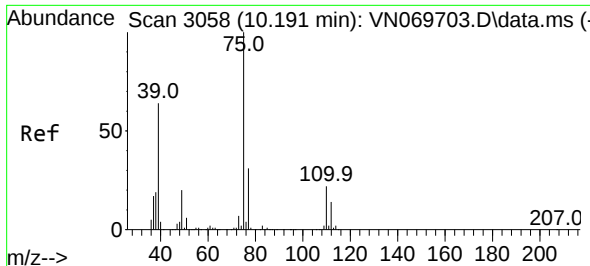
Tgt Ion: 98 Resp: 2989982  
Ion Ratio Lower Upper  
98 100  
100 64.2 50.4 75.6



#53  
t-1,3-Dichloropropene  
Concen: 2.796 ug/l  
RT: 10.714 min Scan# 3253  
Delta R.T. -0.005 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

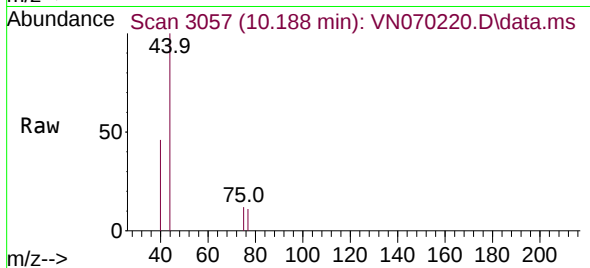
Tgt Ion: 75 Resp: 54  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.6 38.4#





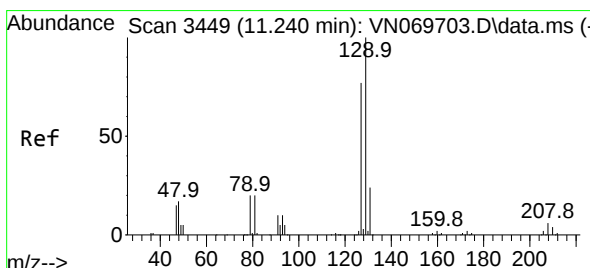
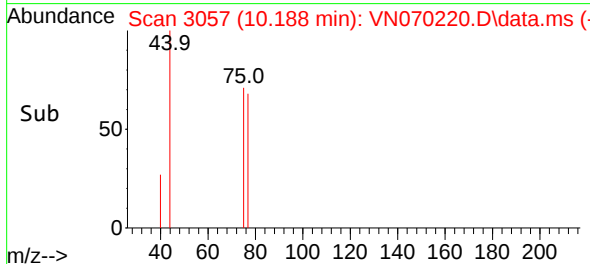
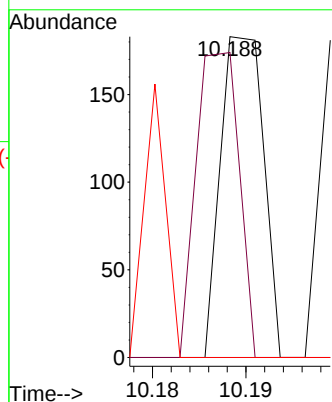
#54  
 cis-1,3-Dichloropropene  
 Concen: 2.001 ug/l  
 RT: 10.188 min Scan# 3058  
 Delta R.T. -0.003 min  
 Lab File: VN070220.D  
 Acq: 18 Dec 2021 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion: 75 Resp: 59  

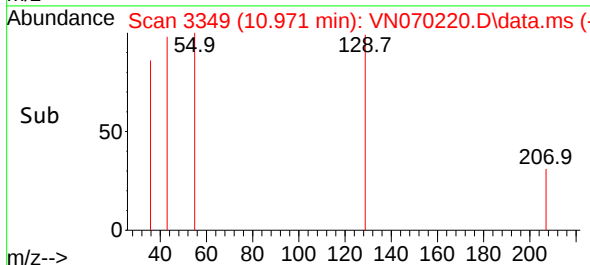
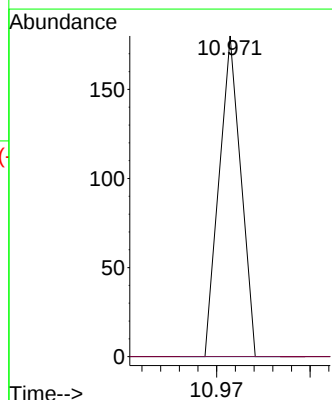
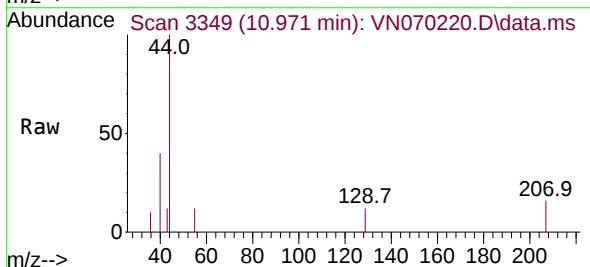
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 95.1  | 26.4  | 39.6# |
| 39  | 0.0   | 42.5  | 63.7# |

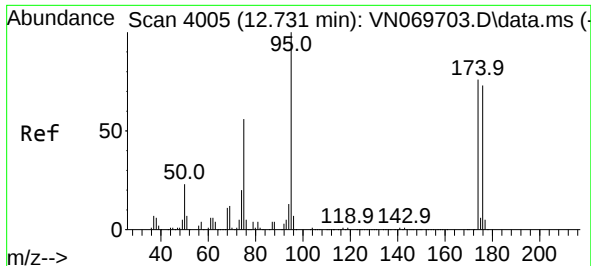


#60  
 Dibromochloromethane  
 Concen: 2.378 ug/l  
 RT: 10.971 min Scan# 3349  
 Delta R.T. -0.269 min  
 Lab File: VN070220.D  
 Acq: 18 Dec 2021 18:09

Tgt Ion: 129 Resp: 29  

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 129 | 100   |       |        |
| 127 | 0.0   | 38.6  | 116.0# |

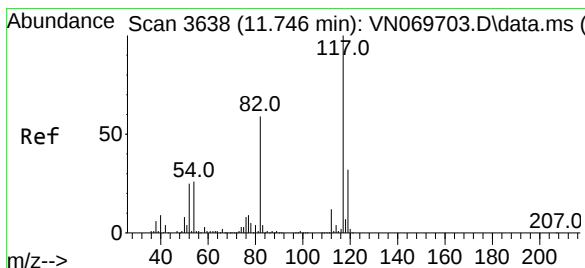
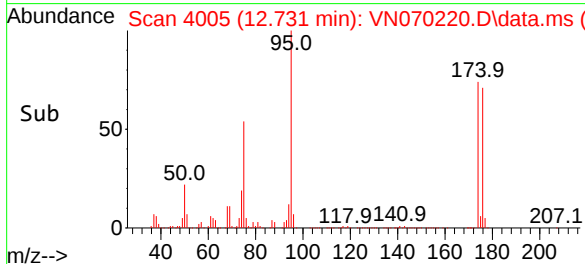
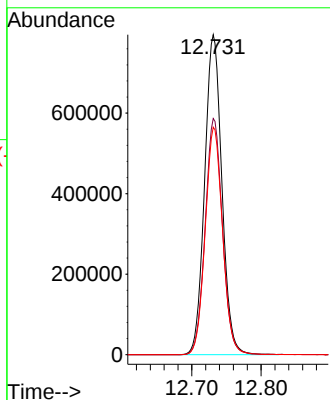
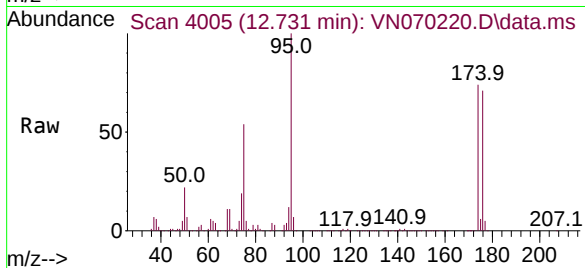




#62  
4-Bromofluorobenzene  
Concen: 68.196 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

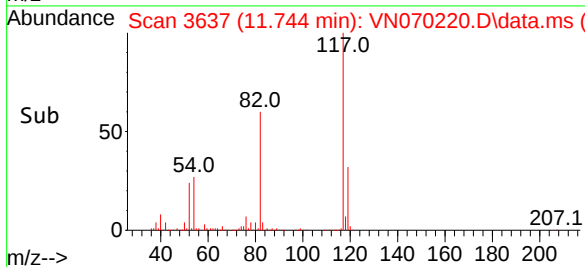
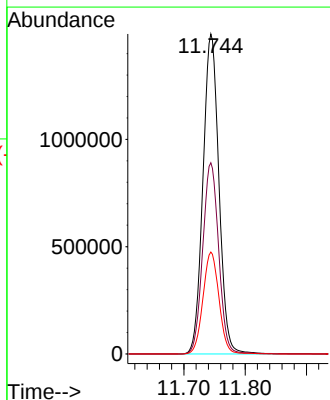
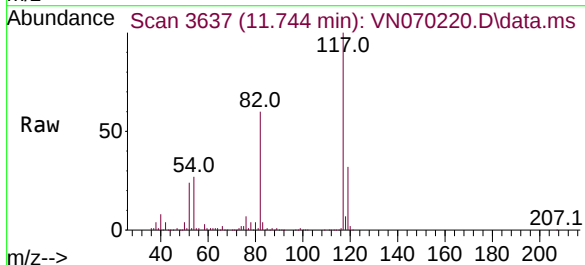
Instrument :  
MSVOA\_N  
ClientSampleId :

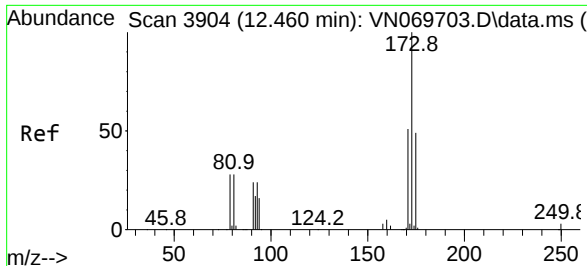
Tgt Ion: 95 Resp: 1374355  
Ion Ratio Lower Upper  
95 100  
174 74.1 0.0 187.2  
176 71.8 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.744 min Scan# 3637  
Delta R.T. -0.002 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

Tgt Ion: 117 Resp: 2698820  
Ion Ratio Lower Upper  
117 100  
82 59.8 42.4 63.6  
119 31.9 25.4 38.2

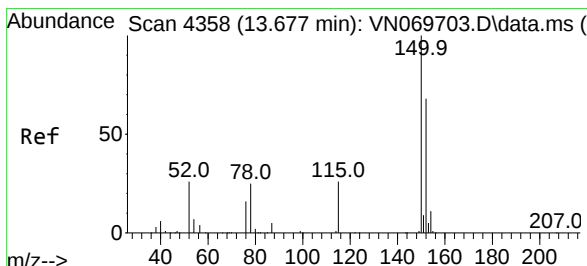
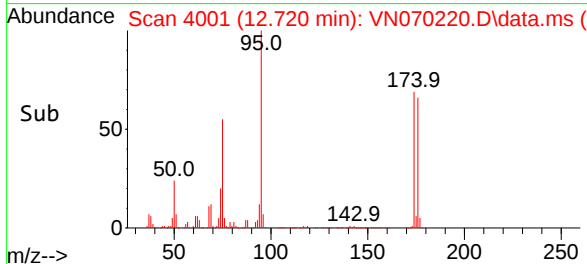
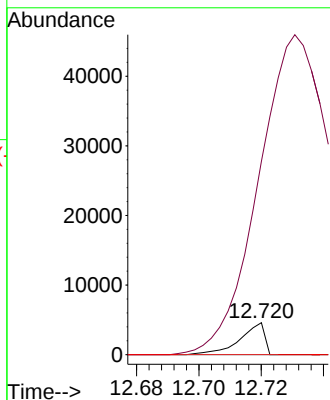
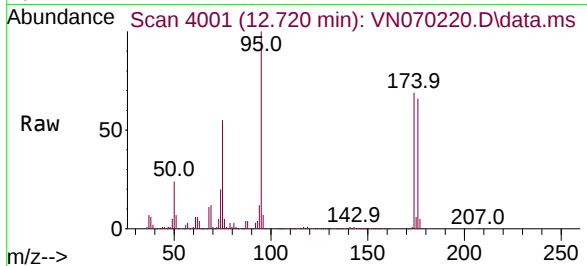




#71  
Bromoform  
Concen: 2.875 ug/l  
RT: 12.720 min Scan# 4001  
Delta R.T. 0.260 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

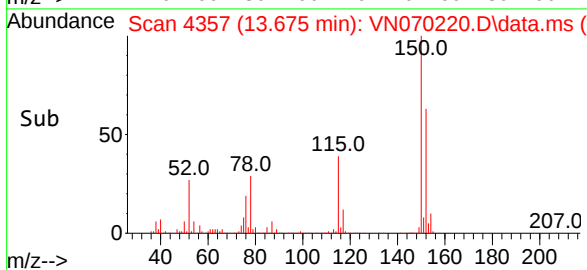
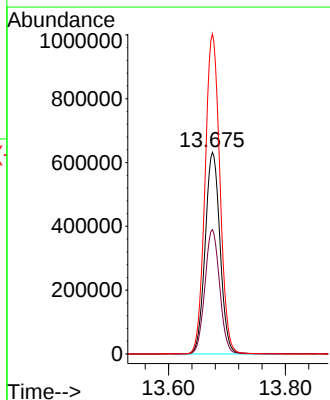
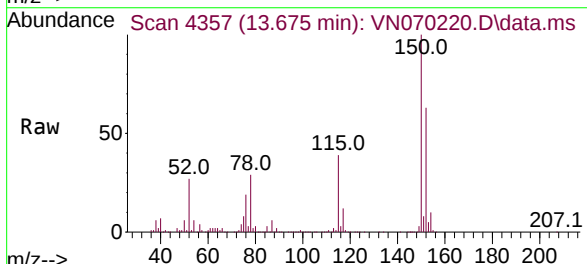
Instrument :  
MSVOA\_N  
ClientSampleId :

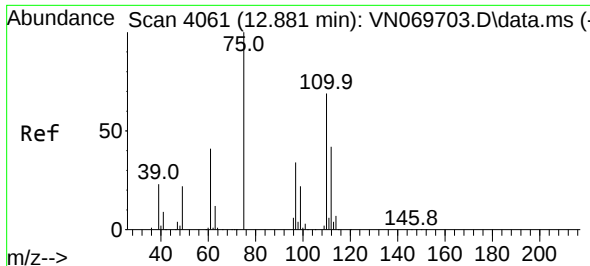
Tgt Ion:173 Resp: 2518  
Ion Ratio Lower Upper  
173 100  
175 2921.8 24.2 72.6#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.675 min Scan# 4357  
Delta R.T. -0.003 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

Tgt Ion:152 Resp: 1119010  
Ion Ratio Lower Upper  
152 100  
115 61.0 27.5 82.5  
150 157.9 0.0 344.4

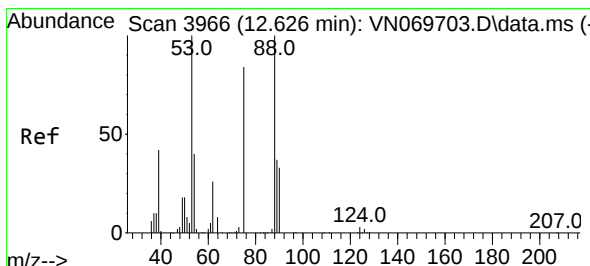
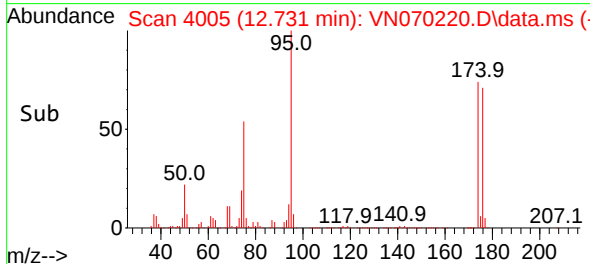
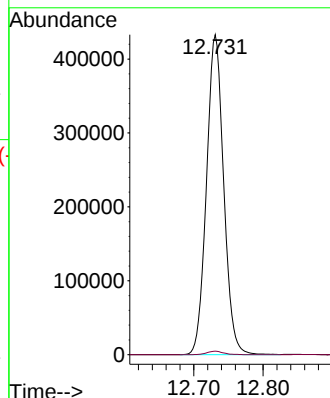
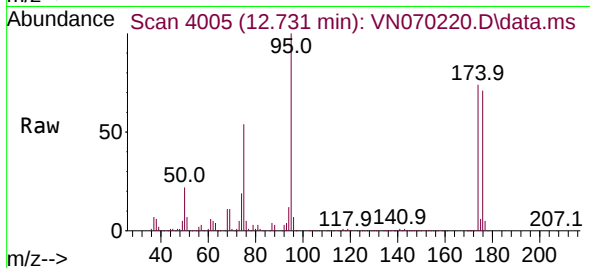




#76  
1,2,3-Trichloropropane  
Concen: 23.282 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.150 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

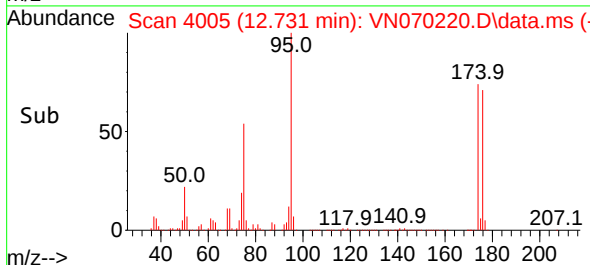
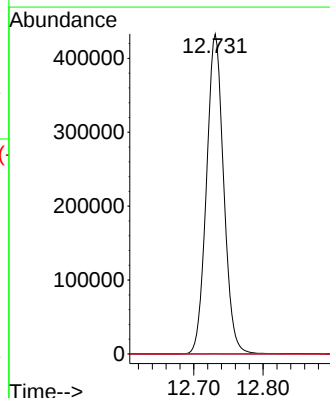
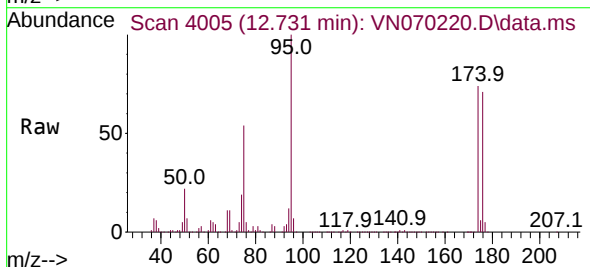
Instrument :  
MSVOA\_N  
ClientSampleId :

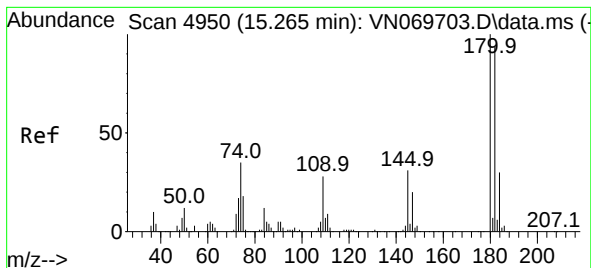
Tgt Ion: 75 Resp: 747136  
Ion Ratio Lower Upper  
75 100  
77 1.1 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.071 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. 0.105 min  
Lab File: VN070220.D  
Acq: 18 Dec 2021 18:09

Tgt Ion: 75 Resp: 747136  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 2.903 ug/l

RT: 15.263 min Scan# 4950

Delta R.T. -0.002 min

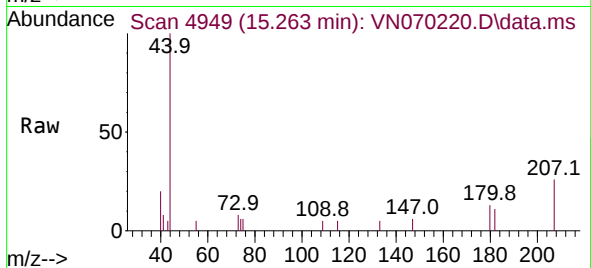
Lab File: VN070220.D

Acq: 18 Dec 2021 18:09

Instrument :

MSVOA\_N

ClientSampleId :



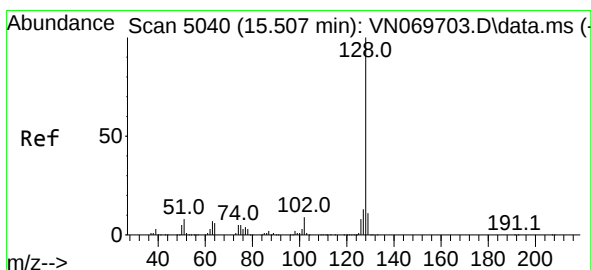
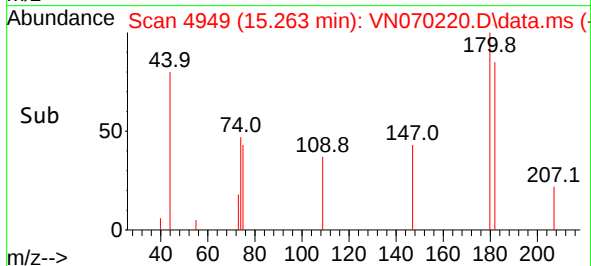
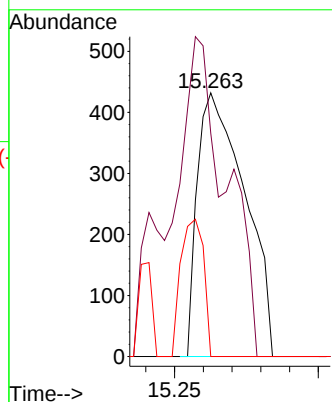
Tgt Ion:180 Resp: 495

Ion Ratio Lower Upper

180 100

182 116.6 48.3 144.9

145 25.1 14.5 43.5



#95

Naphthalene

Concen: 4.135 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN070220.D

Acq: 18 Dec 2021 18:09

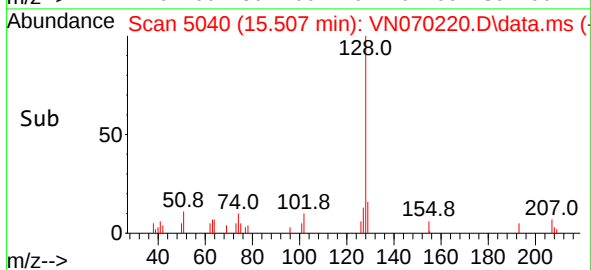
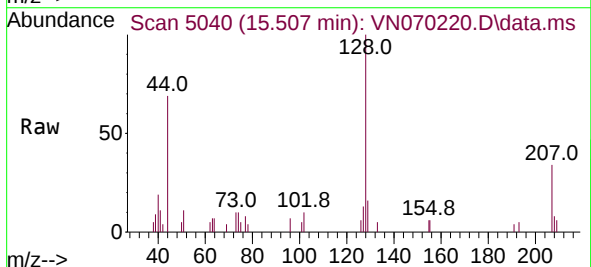
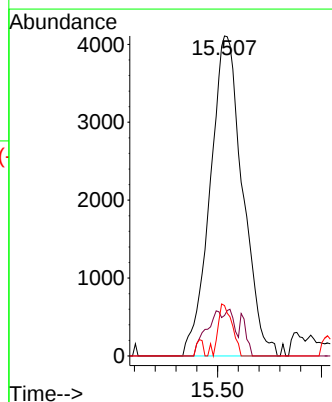
Tgt Ion:128 Resp: 8916

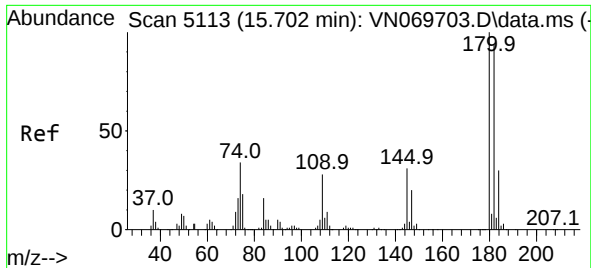
Ion Ratio Lower Upper

128 100

127 7.0 10.5 15.7#

129 7.1 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.472 ug/l

RT: 15.710 min Scan# 51

Delta R.T. 0.008 min

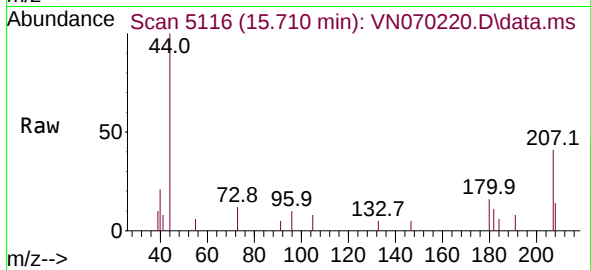
Lab File: VN070220.D

Acq: 18 Dec 2021 18:09

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion:180 Resp: 683

Ion Ratio Lower Upper

180 100

182 79.1 47.4 142.2

145 41.0 15.0 45.1

