

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010322\  
 Data File : VN070444.D  
 Acq On : 3 Jan 2022 18:08  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Jan 04 01:36:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 2021  
 Response via : Initial Calibration

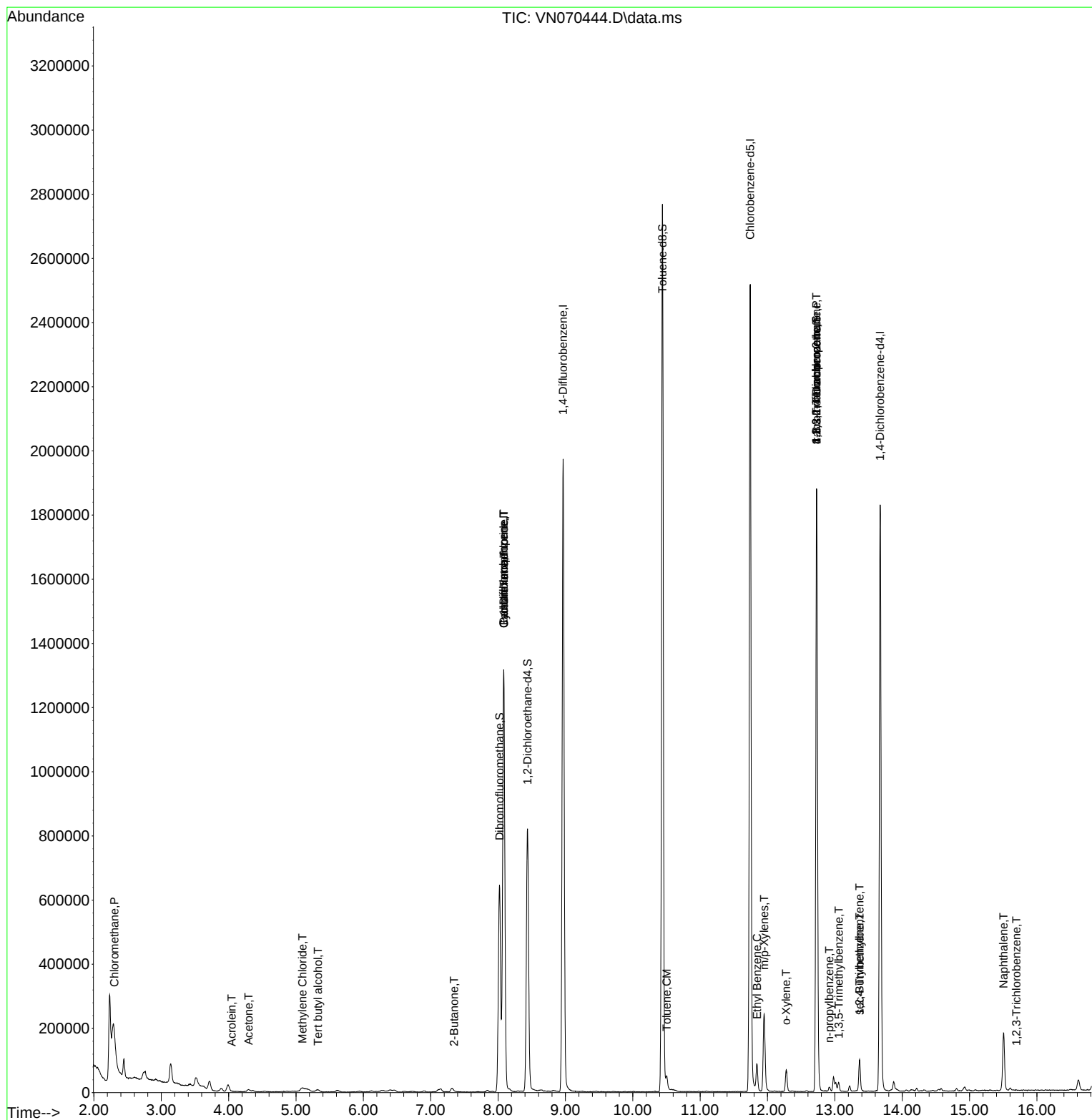
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.083  | 168   | 998878   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.965  | 114   | 1686085  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.744 | 117   | 1456547  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.672 | 152   | 499937   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.437  | 65    | 707882   | 49.289   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 98.580%  |
| 35) Dibromofluoromethane      | 8.021  | 113   | 478034   | 46.858   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 93.720%  |
| 50) Toluene-d8                | 10.440 | 98    | 1930010  | 46.311   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 92.620%  |
| 62) 4-Bromofluorobenzene      | 12.728 | 95    | 696229   | 46.255   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 92.500%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 2.303  | 50    | 6753     | 0.438    | ug/l # | 65       |
| 11) Tert butyl alcohol        | 5.326  | 59    | 5353     | 2.238    | ug/l # | 71       |
| 13) Acrolein                  | 4.044  | 56    | 884      | 0.456    | ug/l # | 14       |
| 16) Acetone                   | 4.296  | 43    | 6106     | 0.655    | ug/l # | 86       |
| 20) Methylene Chloride        | 5.095  | 84    | 5570     | 0.432    | ug/l # | 89       |
| 25) 2-Butanone                | 7.346  | 43    | 2546     | 0.217    | ug/l # | 48       |
| 31) Cyclohexane               | 8.086  | 56    | 24230    | 1.069    | ug/l # | 22       |
| 36) 1,1-Dichloropropene       | 8.083  | 75    | 81801    | 4.847    | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.086  | 117   | 99067    | 6.148    | ug/l # | 16       |
| 52) Toluene                   | 10.502 | 92    | 14093    | 0.450    | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.843 | 91    | 62765    | 1.108    | ug/l   | 94       |
| 68) m/p-Xylenes               | 11.950 | 106   | 79633    | 3.863    | ug/l   | 94       |
| 69) o-Xylene                  | 12.278 | 106   | 19889    | 0.970    | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.728 | 83    | 272      | 0.463    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75    | 369048   | 26.305   | ug/l # | 1        |
| 78) n-propylbenzene           | 12.919 | 91    | 12302    | 0.239    | ug/l # | 69       |
| 80) 1,3,5-Trimethylbenzene    | 13.058 | 105   | 10767    | 0.289    | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.728 | 75    | 369048   | 90.190   | ug/l # | 5        |
| 84) 1,2,4-Trimethylbenzene    | 13.367 | 105   | 55380    | 1.546    | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.367 | 105   | 55380    | 1.245    | ug/l # | 56       |
| 95) Naphthalene               | 15.504 | 128   | 176777   | 9.279    | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.697 | 180   | 466      | 0.884    | ug/l # | 81       |
| -----                         |        |       |          |          |        |          |

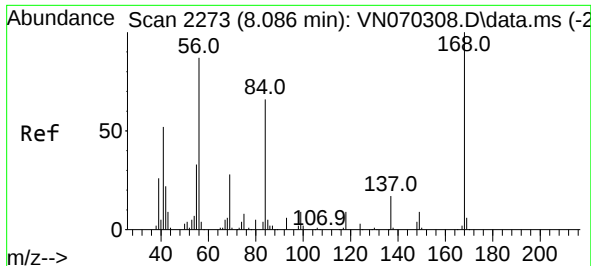
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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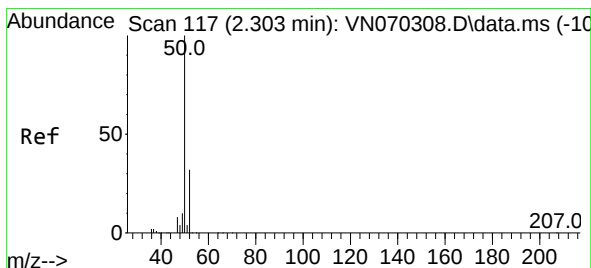
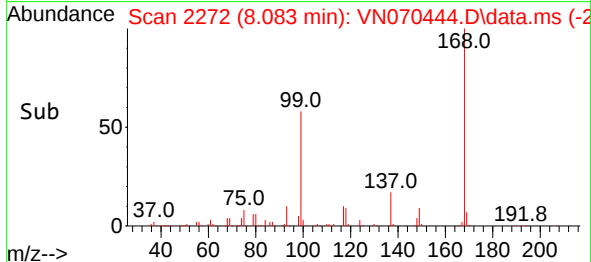
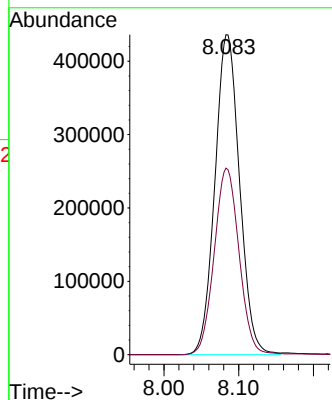
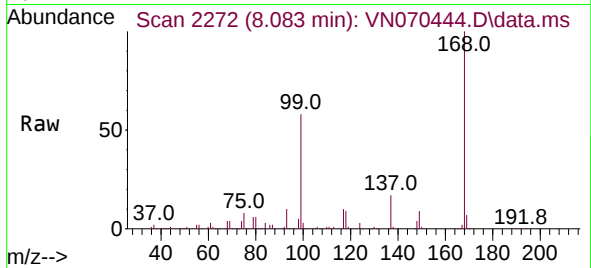




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.083 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

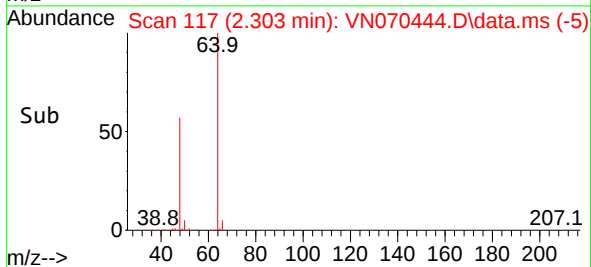
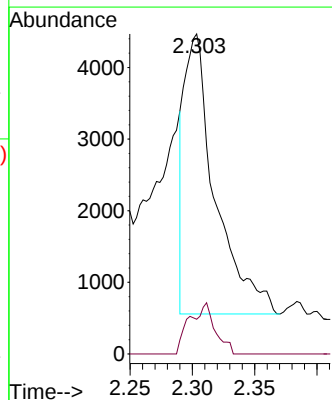
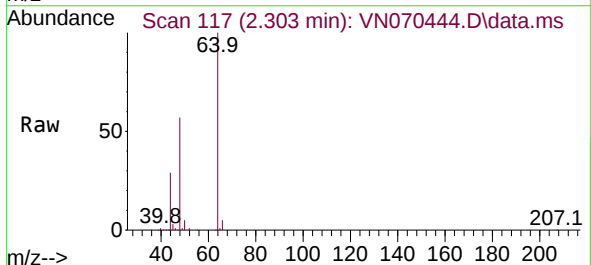
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

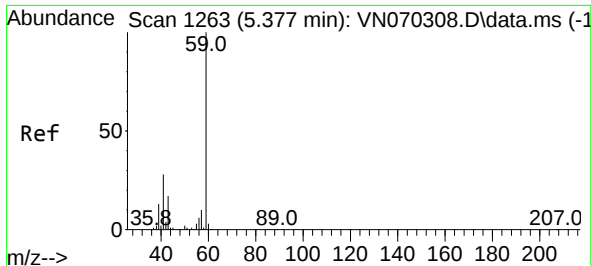
Tgt Ion:168 Resp: 998878  
Ion Ratio Lower Upper  
168 100  
99 58.3 41.3 61.9



#3  
Chloromethane  
Concen: 0.438 ug/l  
RT: 2.303 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

Tgt Ion: 50 Resp: 6753  
Ion Ratio Lower Upper  
50 100  
52 12.4 25.4 38.0#

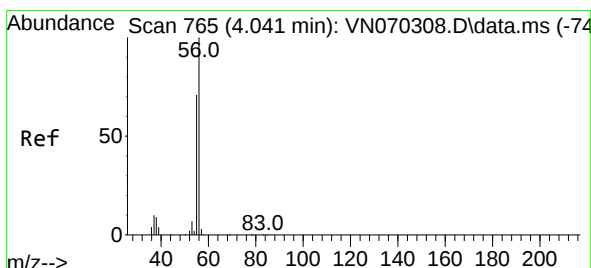
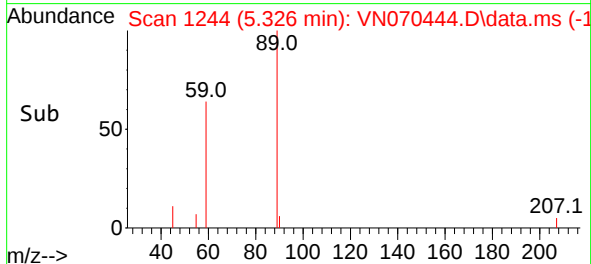
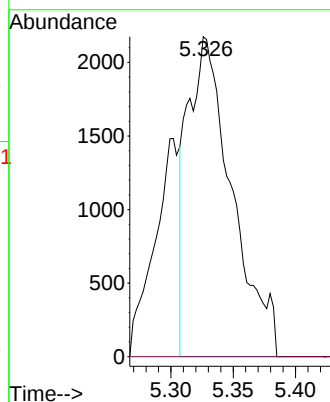
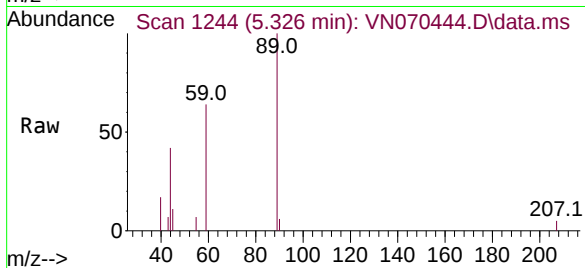




#11  
Tert butyl alcohol  
Concen: 2.238 ug/l  
RT: 5.326 min Scan# 11  
Delta R.T. -0.051 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

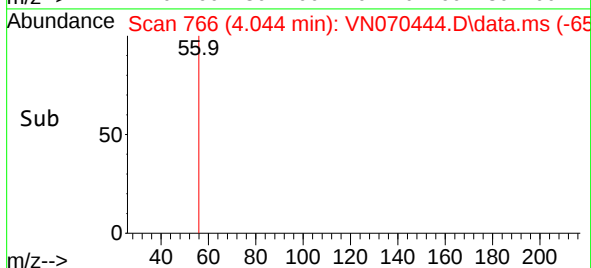
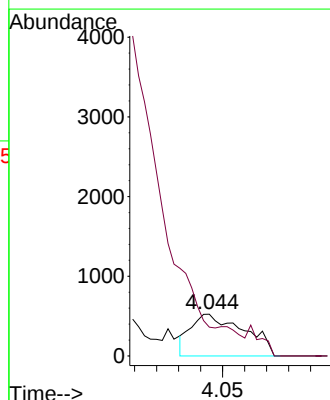
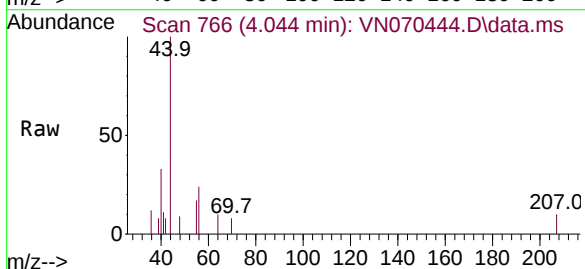
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

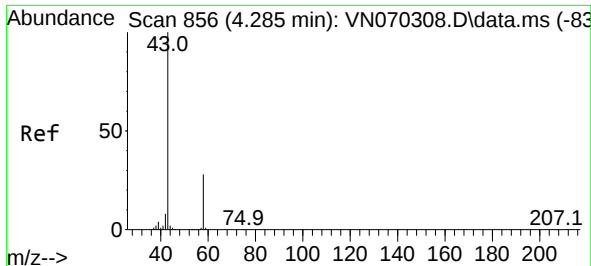
Tgt Ion: 59 Resp: 5353  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#



#13  
Acrolein  
Concen: 0.456 ug/l  
RT: 4.044 min Scan# 766  
Delta R.T. 0.003 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

Tgt Ion: 56 Resp: 884  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.6 85.0#

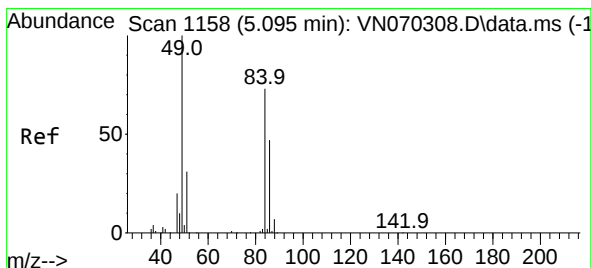
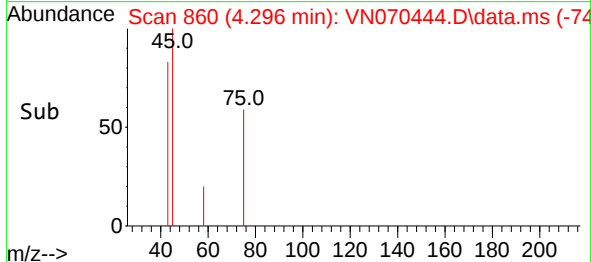
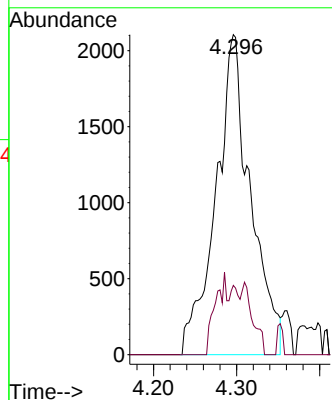
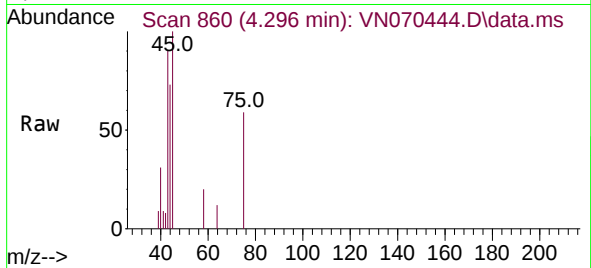




#16  
Acetone  
Concen: 0.655 ug/l  
RT: 4.296 min Scan# 856  
Delta R.T. 0.011 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

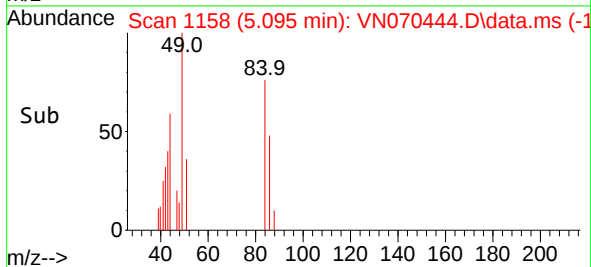
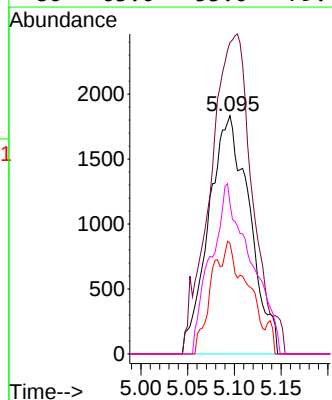
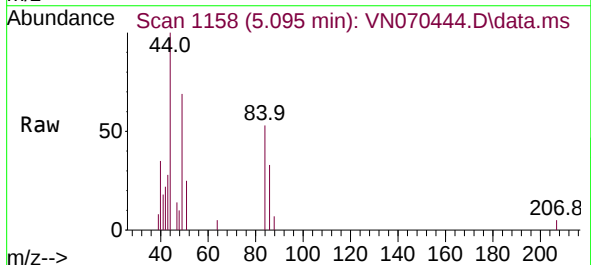
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

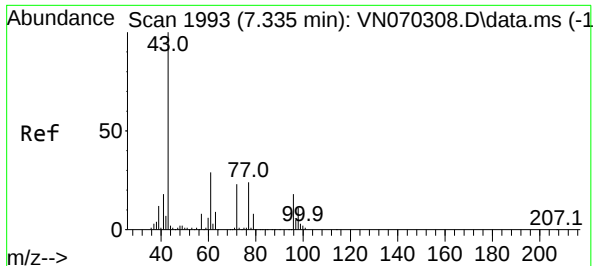
Tgt Ion: 43 Resp: 6106  
Ion Ratio Lower Upper  
43 100  
58 21.7 23.1 34.7#



#20  
Methylene Chloride  
Concen: 0.432 ug/l  
RT: 5.095 min Scan# 1158  
Delta R.T. 0.000 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

Tgt Ion: 84 Resp: 5570  
Ion Ratio Lower Upper  
84 100  
49 130.8 93.5 140.3  
51 46.5 29.4 44.2#  
86 63.0 53.0 79.4





#25

2-Butanone

Concen: 0.217 ug/l

RT: 7.346 min Scan# 1993

Delta R.T. 0.011 min

Lab File: VN070444.D

Acq: 3 Jan 2022 18:08

Instrument :

MSVOA\_N

ClientSampleId :

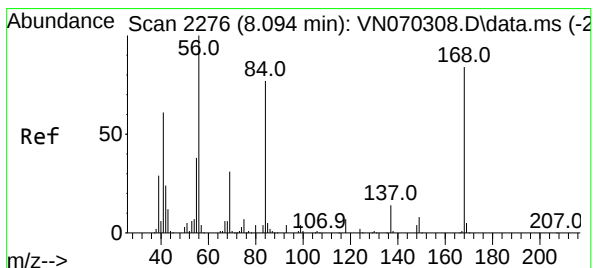
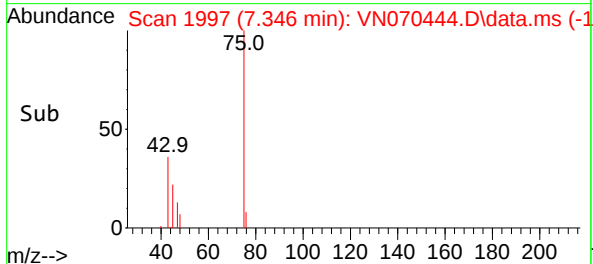
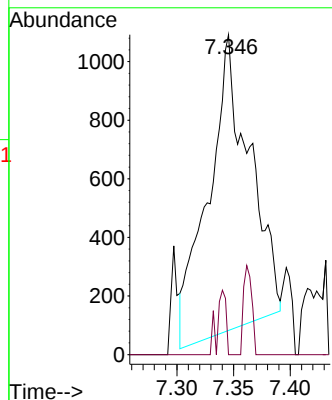
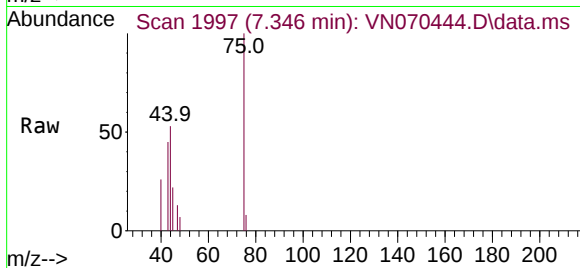
IBLK

Tgt Ion: 43 Resp: 2546

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070444.D

Acq: 3 Jan 2022 18:08

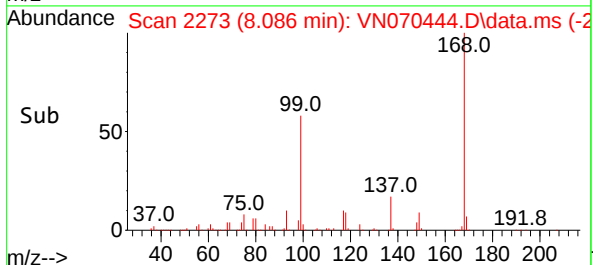
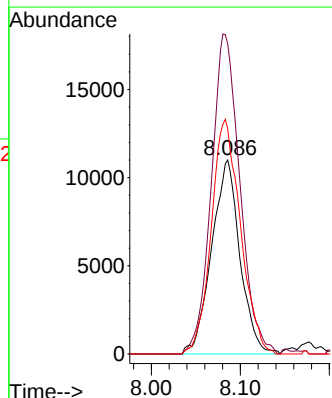
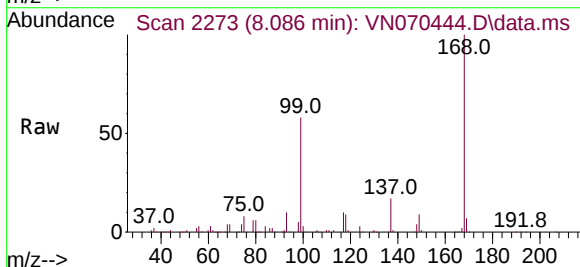
Tgt Ion: 56 Resp: 24230

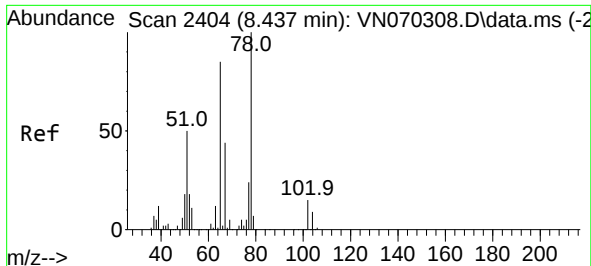
Ion Ratio Lower Upper

56 100

69 159.8 27.1 40.7#

84 116.0 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.289 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070444.D

Acq: 3 Jan 2022 18:08

Instrument :

MSVOA\_N

ClientSampleId :

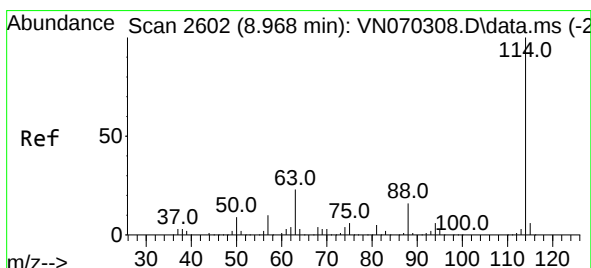
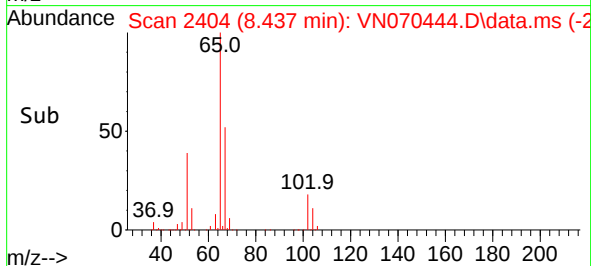
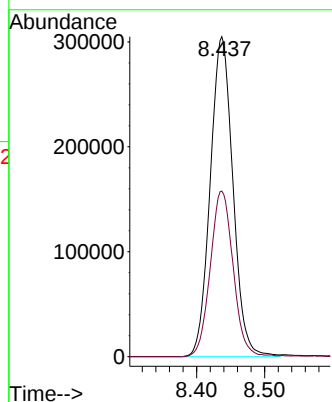
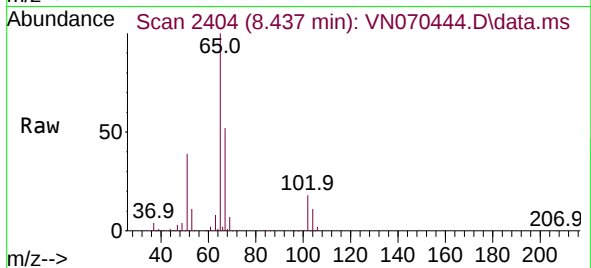
IBLK

Tgt Ion: 65 Resp: 707882

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070444.D

Acq: 3 Jan 2022 18:08

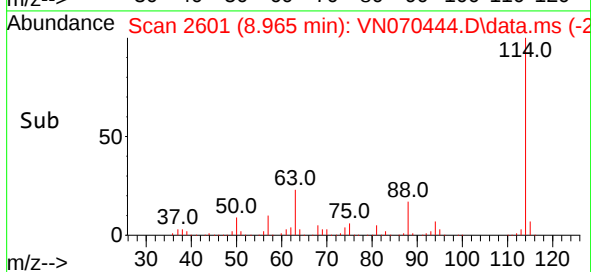
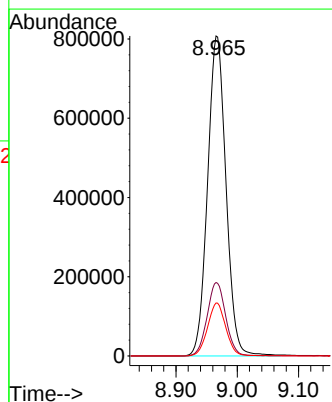
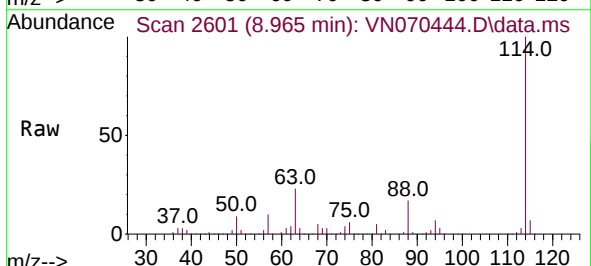
Tgt Ion: 114 Resp: 1686085

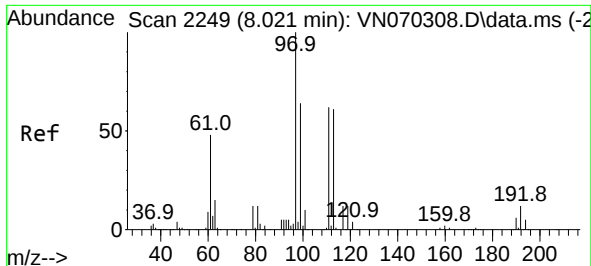
Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

88 16.5 0.0 27.4

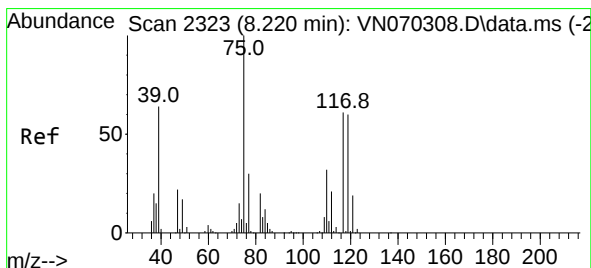
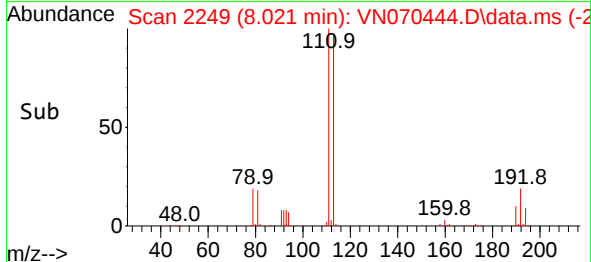
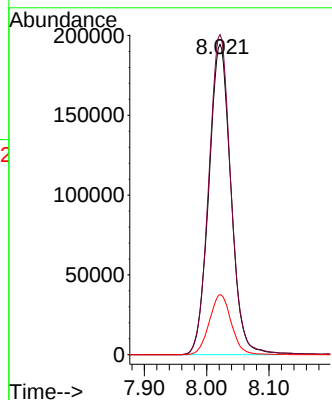
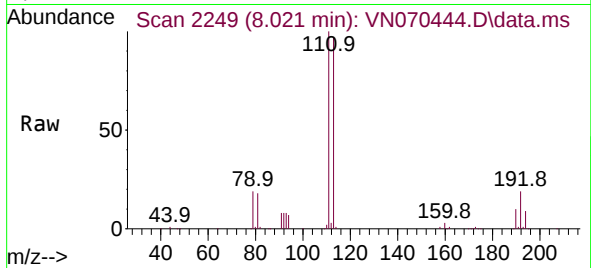




#35  
 Dibromofluoromethane  
 Concen: 46.858 ug/l  
 RT: 8.021 min Scan# 211  
 Delta R.T. 0.000 min  
 Lab File: VN070444.D  
 Acq: 3 Jan 2022 18:08

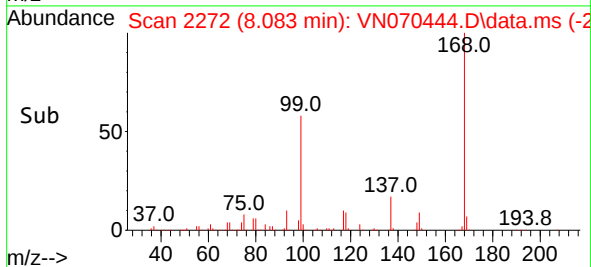
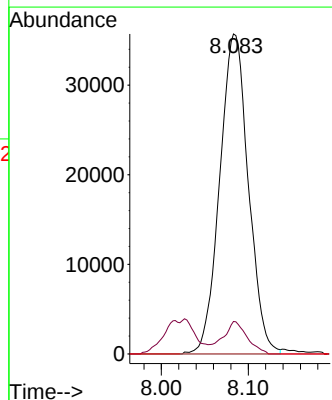
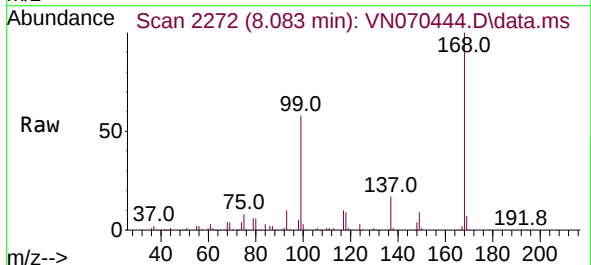
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

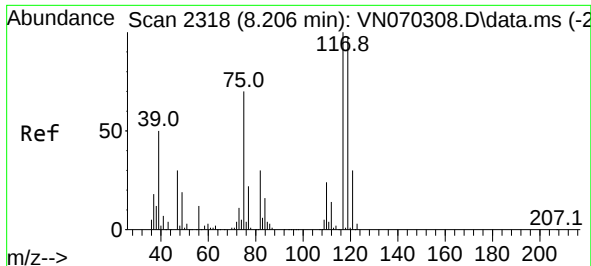
Tgt Ion:113 Resp: 478034  
 Ion Ratio Lower Upper  
 113 100  
 111 103.3 82.2 123.2  
 192 19.3 16.9 25.3



#36  
 1,1-Dichloropropene  
 Concen: 4.847 ug/l  
 RT: 8.083 min Scan# 2272  
 Delta R.T. -0.137 min  
 Lab File: VN070444.D  
 Acq: 3 Jan 2022 18:08

Tgt Ion: 75 Resp: 81801  
 Ion Ratio Lower Upper  
 75 100  
 110 8.3 18.4 55.2#  
 77 0.0 24.4 36.6#

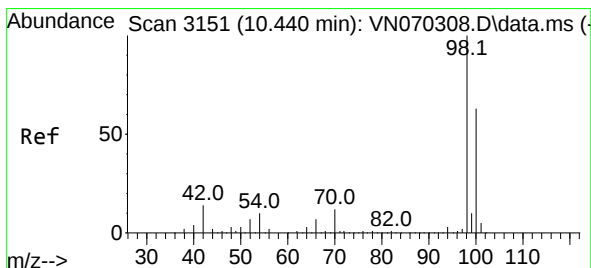
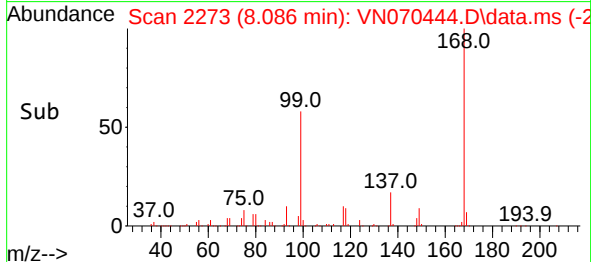
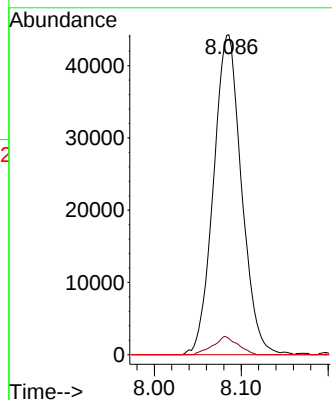
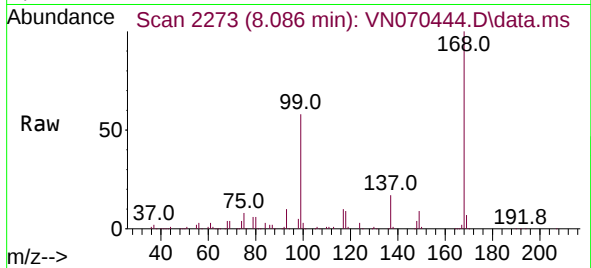




#38  
Carbon Tetrachloride  
Concen: 6.148 ug/l  
RT: 8.086 min Scan# 211  
Delta R.T. -0.120 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

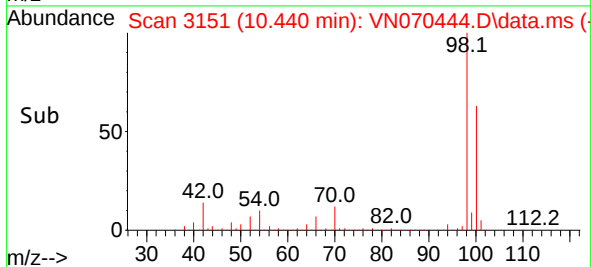
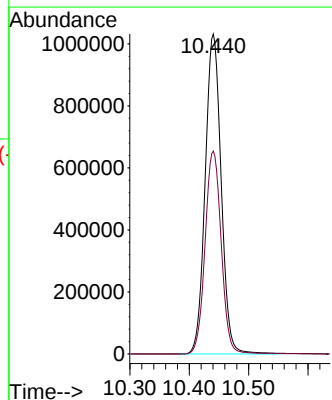
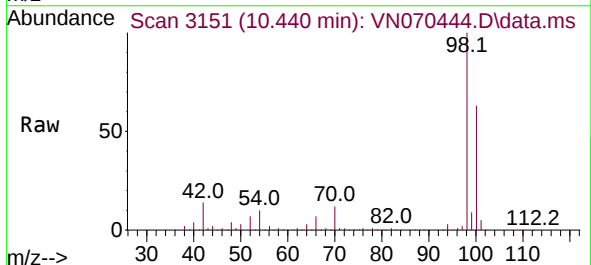
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ClientSampleId :  
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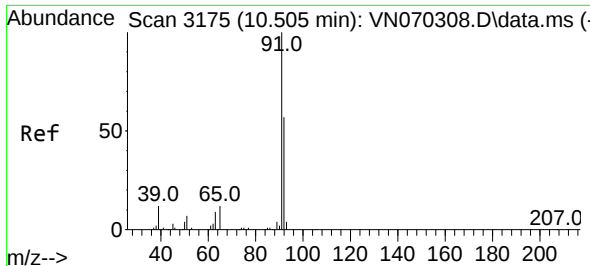
Tgt Ion:117 Resp: 99067  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.1 114.1#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 46.311 ug/l  
RT: 10.440 min Scan# 3151  
Delta R.T. 0.000 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

Tgt Ion: 98 Resp: 1930010  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.4 75.6

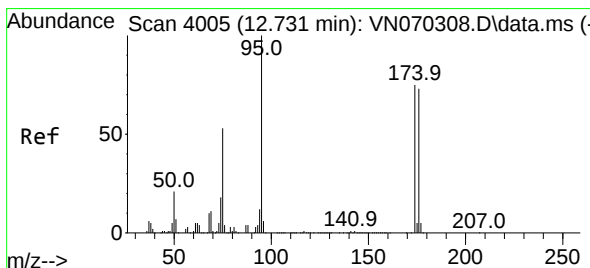
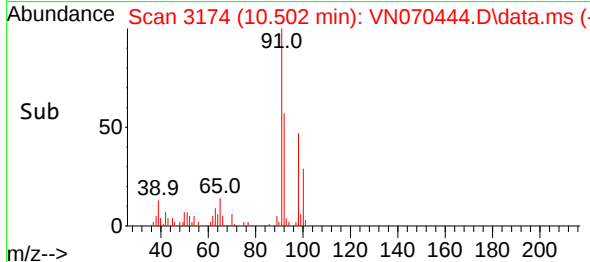
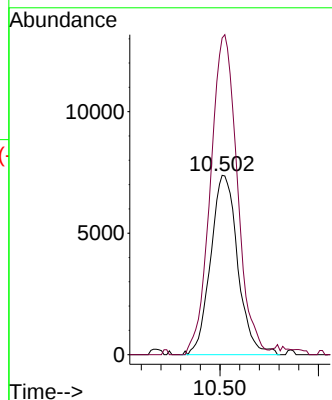
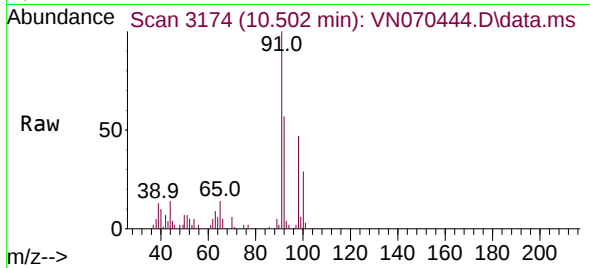




#52  
Toluene  
Concen: 0.450 ug/l  
RT: 10.502 min Scan# 3175  
Delta R.T. -0.003 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

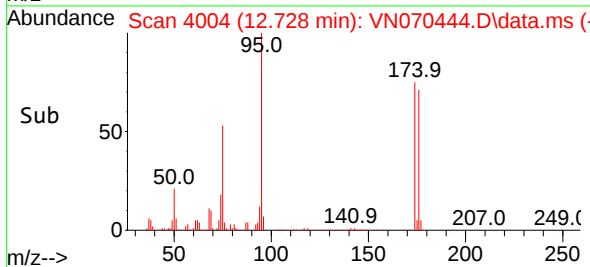
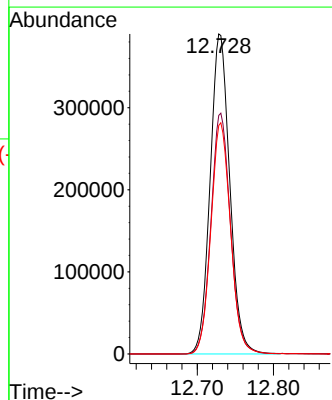
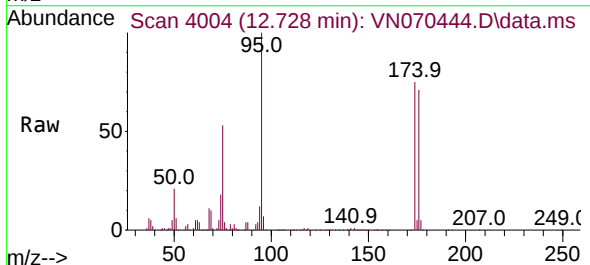
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ClientSampleId :  
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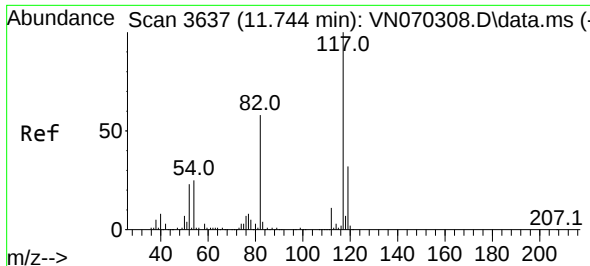
Tgt Ion: 92 Resp: 14093  
Ion Ratio Lower Upper  
92 100  
91 177.4 142.0 213.0



#62  
4-Bromofluorobenzene  
Concen: 46.255 ug/l  
RT: 12.728 min Scan# 4004  
Delta R.T. -0.003 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

Tgt Ion: 95 Resp: 696229  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 187.2  
176 72.3 0.0 181.4

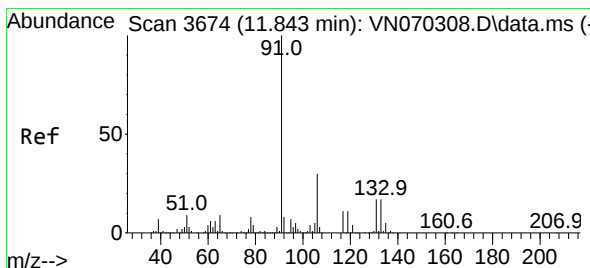
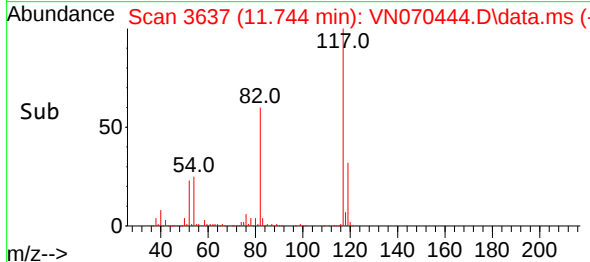
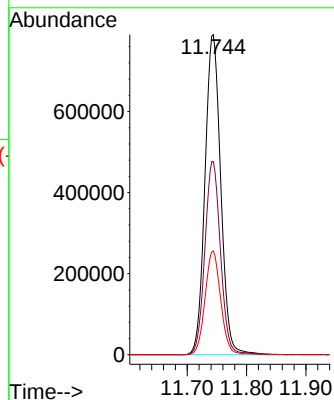
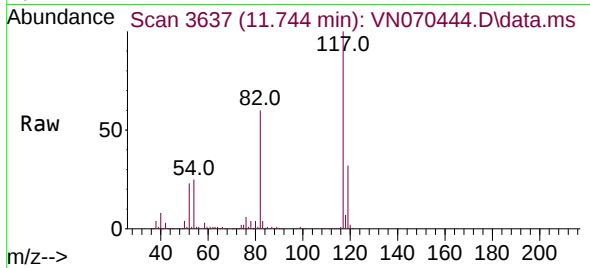




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.744 min Scan# 3637  
Delta R.T. -0.000 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

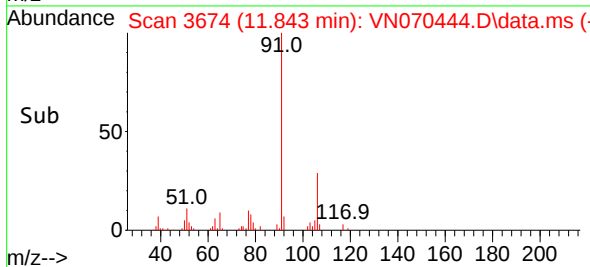
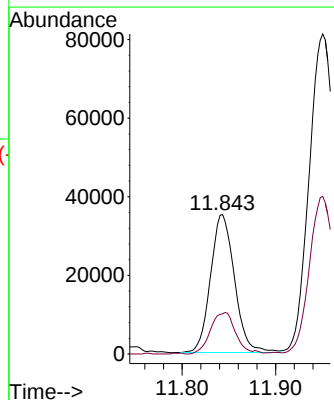
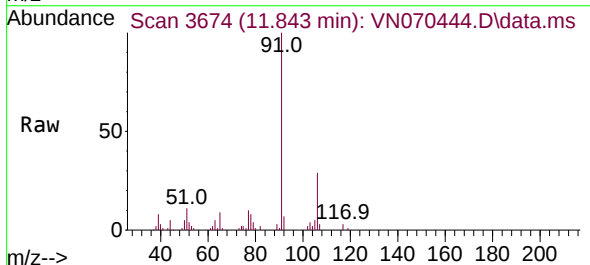
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ClientSampleId :  
IBLK

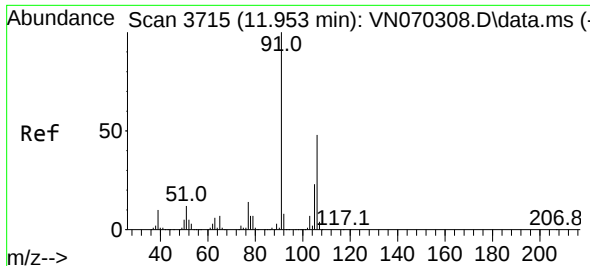
Tgt Ion:117 Resp: 1456547  
Ion Ratio Lower Upper  
117 100  
82 60.3 42.4 63.6  
119 32.4 25.4 38.2



#67  
Ethyl Benzene  
Concen: 1.108 ug/l  
RT: 11.843 min Scan# 3674  
Delta R.T. 0.000 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

Tgt Ion: 91 Resp: 62765  
Ion Ratio Lower Upper  
91 100  
106 28.5 25.7 38.5

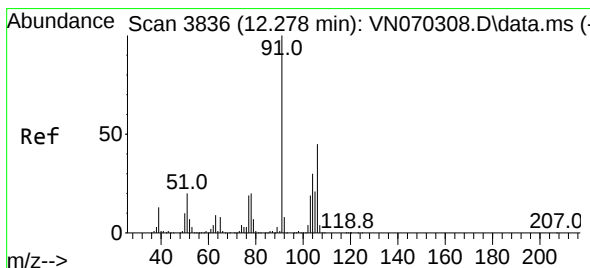
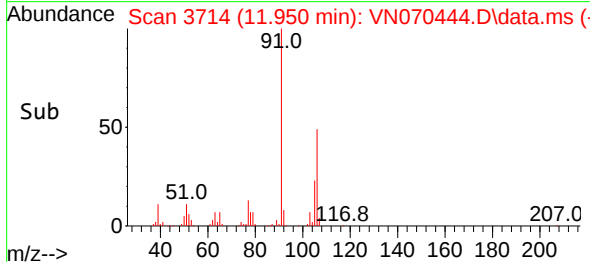
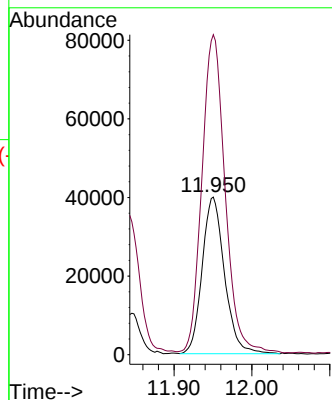
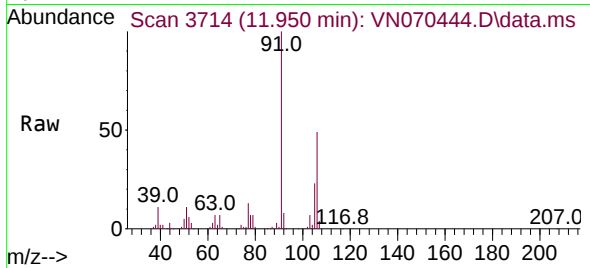




#68  
m/p-Xylenes  
Concen: 3.863 ug/l  
RT: 11.950 min Scan# 3714  
Delta R.T. -0.003 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

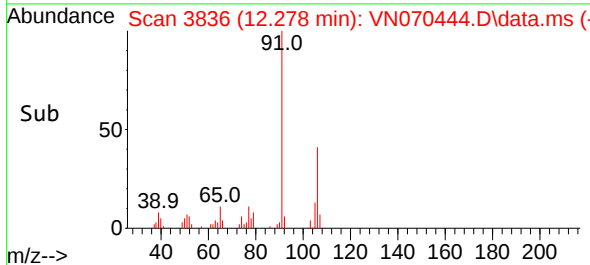
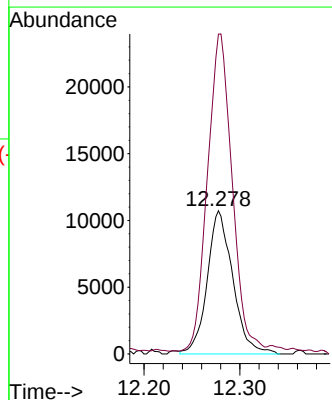
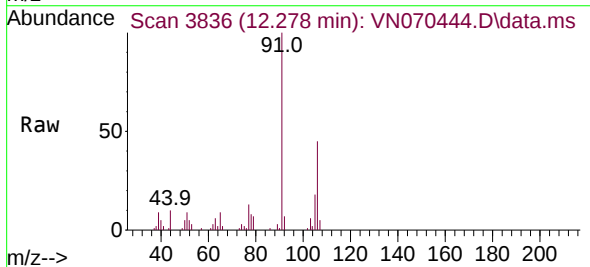
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ClientSampleId :  
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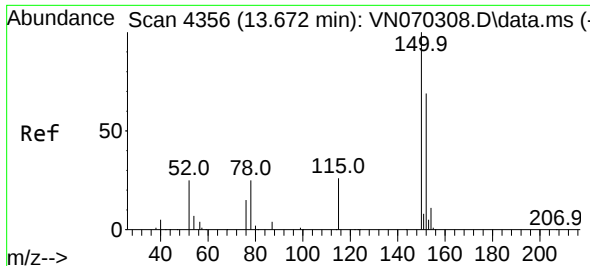
Tgt Ion:106 Resp: 79633  
Ion Ratio Lower Upper  
106 100  
91 210.5 160.6 240.8



#69  
o-Xylene  
Concen: 0.970 ug/l  
RT: 12.278 min Scan# 3836  
Delta R.T. -0.000 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

Tgt Ion:106 Resp: 19889  
Ion Ratio Lower Upper  
106 100  
91 212.6 105.8 317.3

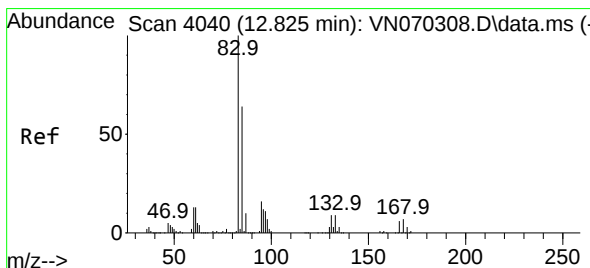
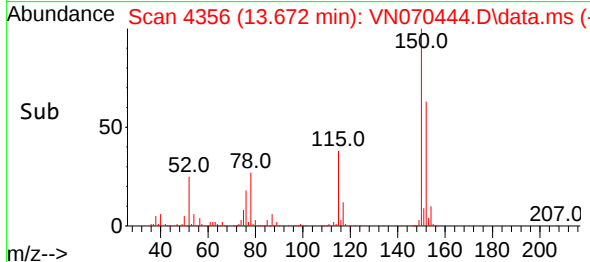
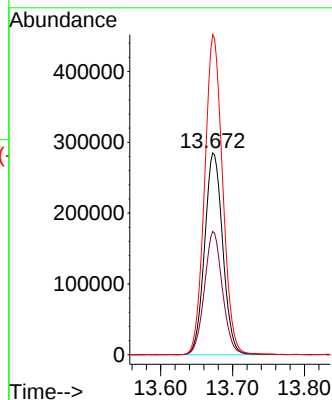
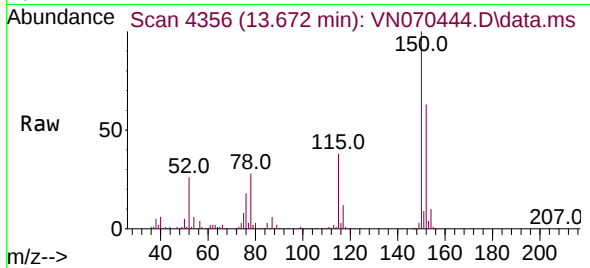




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.672 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VN070444.D  
 Acq: 3 Jan 2022 18:08

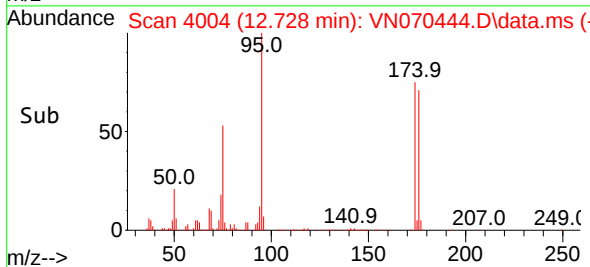
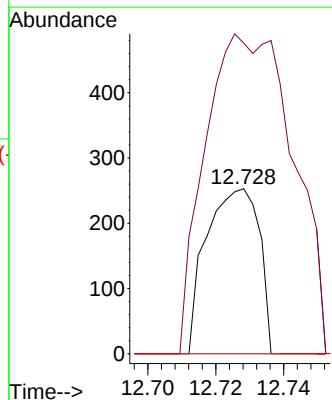
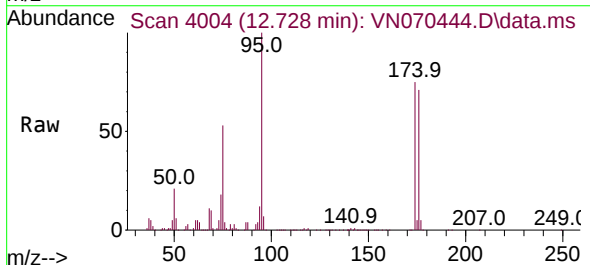
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 ClientSampleId :  
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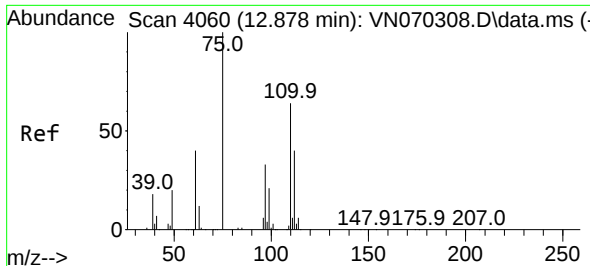
Tgt Ion:152 Resp: 499937  
 Ion Ratio Lower Upper  
 152 100  
 115 60.9 27.5 82.5  
 150 157.7 0.0 344.4



#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 0.463 ug/l  
 RT: 12.728 min Scan# 4004  
 Delta R.T. -0.097 min  
 Lab File: VN070444.D  
 Acq: 3 Jan 2022 18:08

Tgt Ion: 83 Resp: 272  
 Ion Ratio Lower Upper  
 83 100  
 131 323.2 5.5 16.5#  
 85 0.0 32.4 97.2#

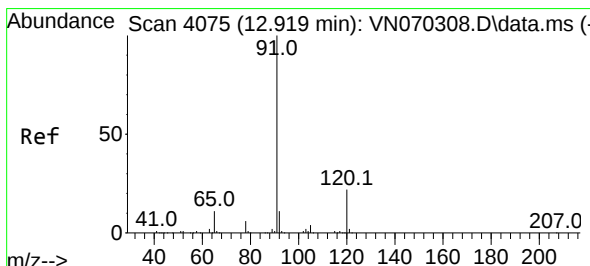
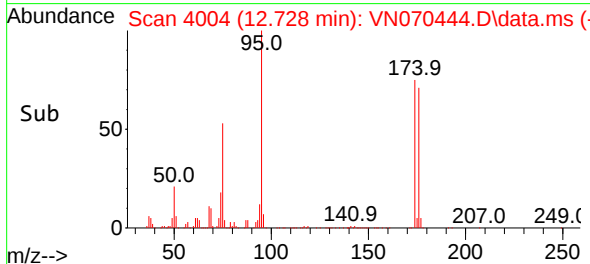
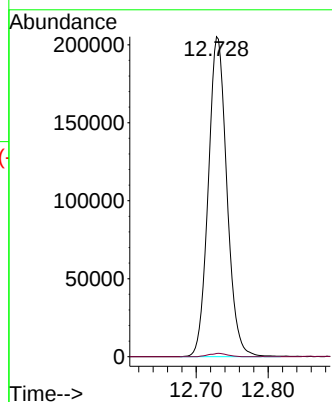
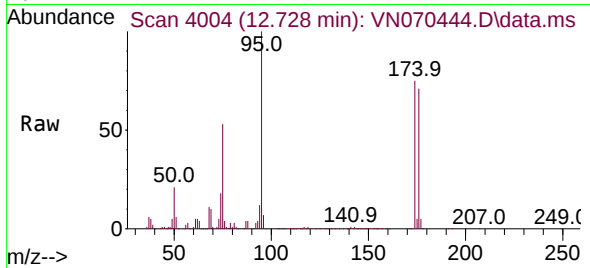




#76  
1,2,3-Trichloropropane  
Concen: 26.305 ug/l  
RT: 12.728 min Scan# 4060  
Delta R.T. -0.150 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

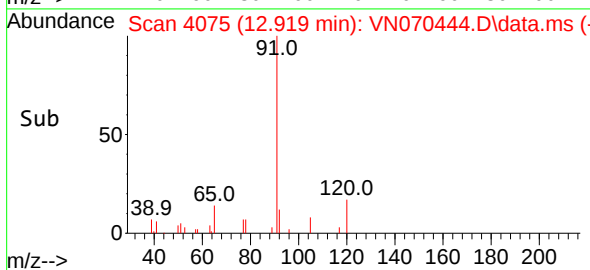
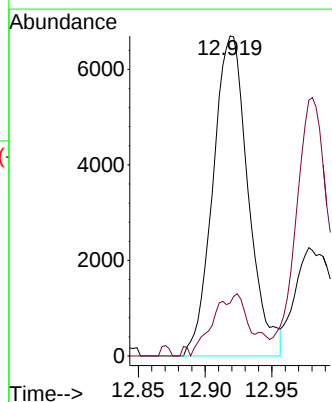
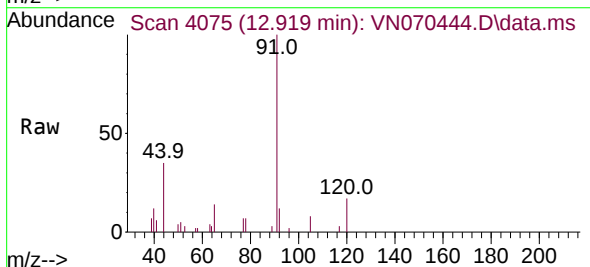
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ClientSampleId :  
IBLK

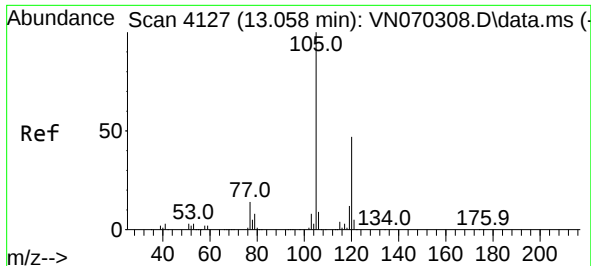
Tgt Ion: 75 Resp: 369048  
Ion Ratio Lower Upper  
75 100  
77 1.0 82.6 247.8#



#78  
n-propylbenzene  
Concen: 0.239 ug/l  
RT: 12.919 min Scan# 4075  
Delta R.T. -0.000 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

Tgt Ion: 91 Resp: 12302  
Ion Ratio Lower Upper  
91 100  
120 8.8 11.9 35.9#

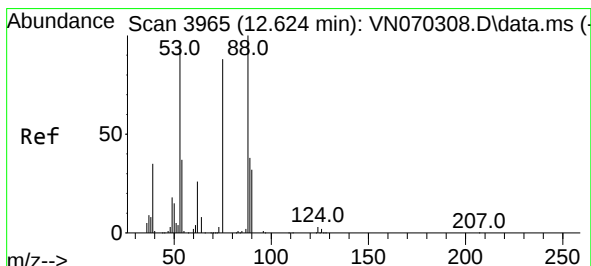
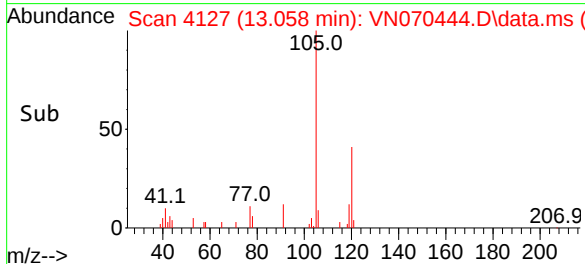
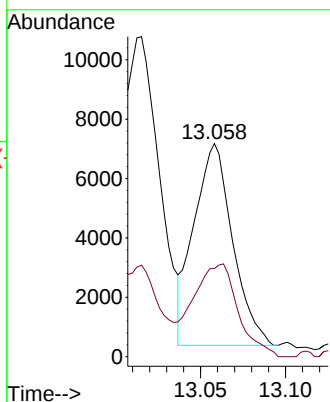
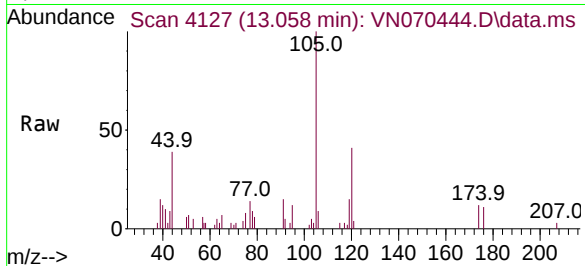




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.289 ug/l  
 RT: 13.058 min Scan# 4127  
 Delta R.T. 0.000 min  
 Lab File: VN070444.D  
 Acq: 3 Jan 2022 18:08

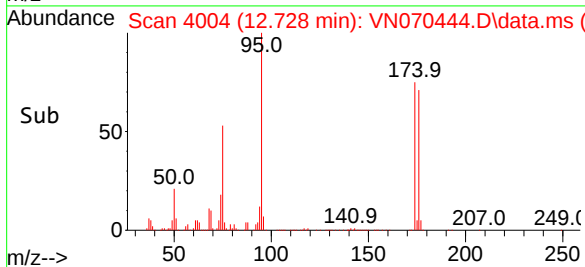
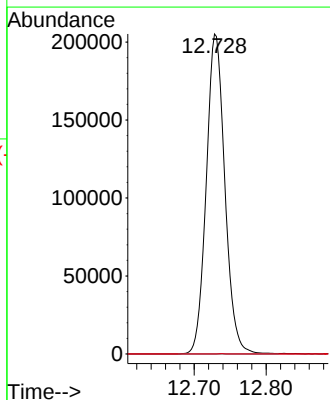
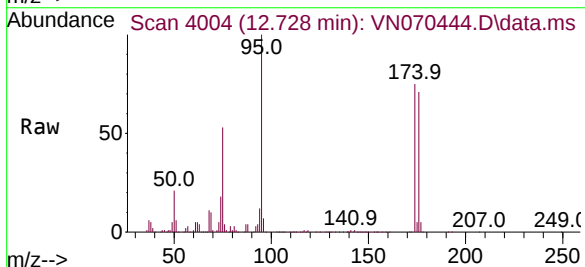
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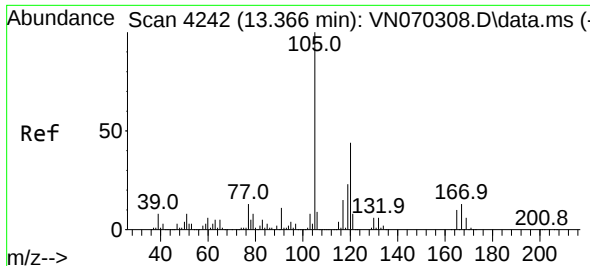
Tgt Ion:105 Resp: 10767  
 Ion Ratio Lower Upper  
 105 100  
 120 52.6 24.6 73.6



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 90.190 ug/l  
 RT: 12.728 min Scan# 4004  
 Delta R.T. 0.104 min  
 Lab File: VN070444.D  
 Acq: 3 Jan 2022 18:08

Tgt Ion: 75 Resp: 369048  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 38.2 57.4#

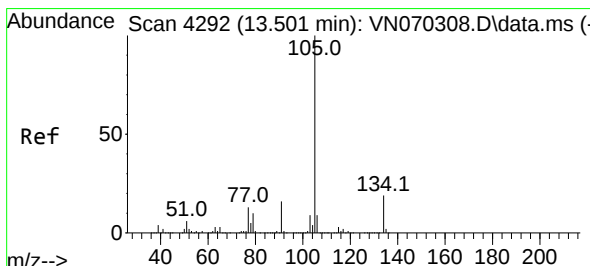
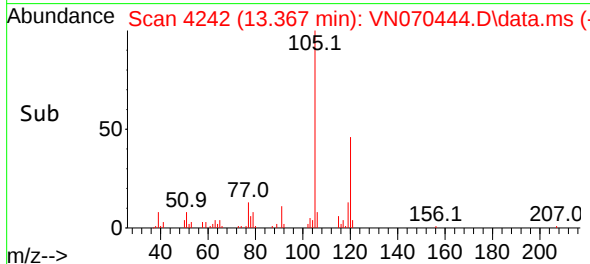
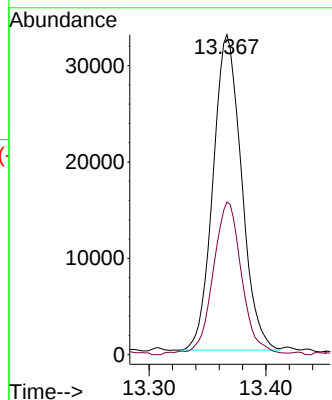
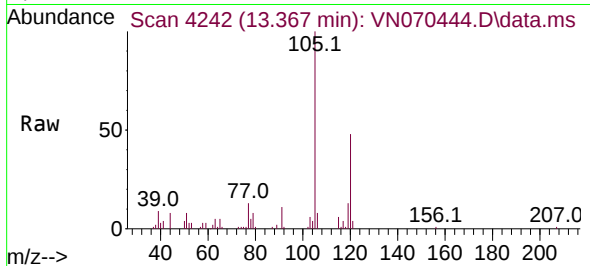




#84  
1,2,4-Trimethylbenzene  
Concen: 1.546 ug/l  
RT: 13.367 min Scan# 4242  
Delta R.T. 0.001 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

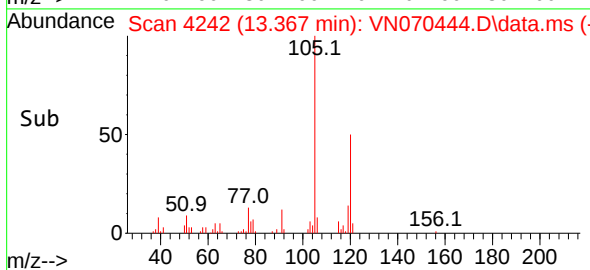
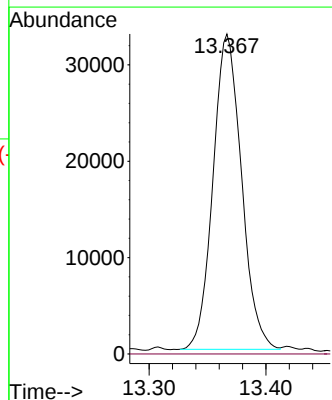
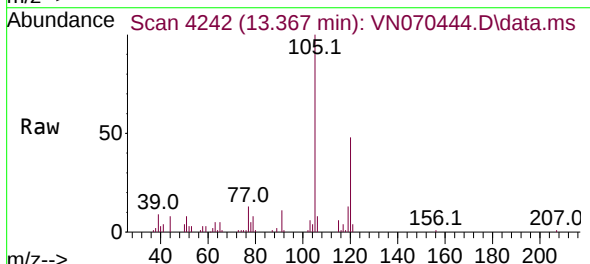
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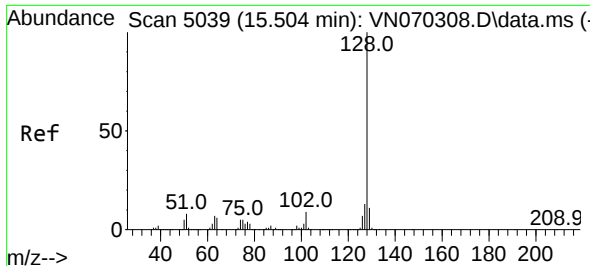
Tgt Ion:105 Resp: 55380  
Ion Ratio Lower Upper  
105 100  
120 49.1 22.8 68.4



#85  
sec-Butylbenzene  
Concen: 1.245 ug/l  
RT: 13.367 min Scan# 4242  
Delta R.T. -0.134 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

Tgt Ion:105 Resp: 55380  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.4 31.1#





#95  
Naphthalene  
Concen: 9.279 ug/l  
RT: 15.504 min Scan# 5039  
Delta R.T. 0.000 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

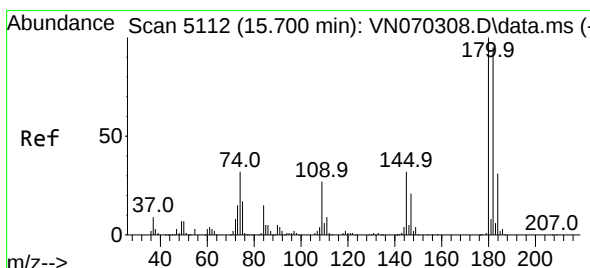
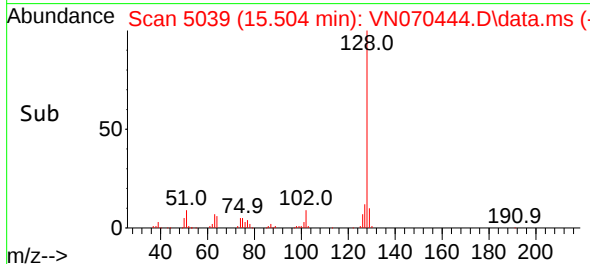
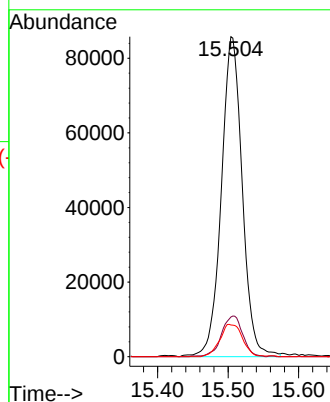
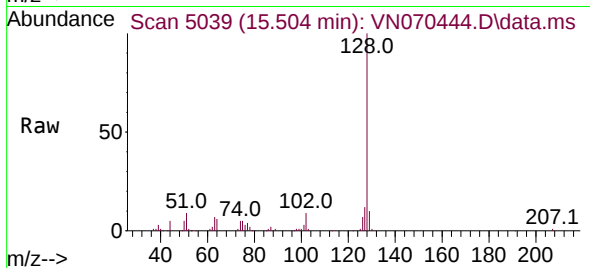
Instrument :

MSVOA\_N

ClientSampleId :

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Tgt Ion:128 Resp: 176777  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.5 15.7  
129 11.0 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 0.884 ug/l  
RT: 15.697 min Scan# 5111  
Delta R.T. -0.003 min  
Lab File: VN070444.D  
Acq: 3 Jan 2022 18:08

Tgt Ion:180 Resp: 466  
Ion Ratio Lower Upper  
180 100  
182 87.3 47.4 142.2  
145 0.0 15.0 45.1#

